

REPORT OF CONSTRUCTION STORM WATER COMPLIANCE INSPECTION

AT THE

BRANDON'S RESERVE RESIDENTIAL DEVELOPMENT

1010 Warrior Lane, Waukee, Iowa 50263

(M & R Holdings, LLC 15602 Wilden Dr., Urbandale, Iowa 50323)

NPDES Permit: Iowa General Permit No. 2, Authorization Number: 28073-27824

ON

October 12-14, 2016

BY THE

U.S. ENVIRONMENTAL PROTECTION AGENCY

Region VII

Environmental Sciences and Technology Division

INTRODUCTION

At the request of the Water, Wetlands, and Pesticides Division, Water Enforcement Branch, I conducted a Construction Storm Water Compliance Inspection at the Brandon's Reserve residential development site in Waukee, Iowa, on October 12-14, 2016. The inspection was conducted under the authority of Section 308 of the Clean Water Act, as amended, and in accordance with EPA Region VII Standard Operating Procedures for Compliance Inspections (ENST SOP No. 2332). This narrative report and the attachments present the results of the inspection.

PARTICIPANTS

M & R Holdings, LLC:

Dave Walters, Owner (consulted by telephone)

Sandstone Management:

Dustin Brown, Foreman

Bishop Engineering:

David Bentz, P.E., Vice President

Evan Vencil, P.E.

U.S. Environmental Protection Agency (EPA) Region VII:

Peter Green, Environmental Scientist

SITE DESCRIPTION

Brandon's Reserve is a 14-acre, 24-lot single family residential subdivision being developed northwest of University Avenue and Warrior Lane in Waukee, Iowa (Attachment 1 shows a map and aerial photo). The site is bounded on the north by the Waukee Public Library, on the east by Waukee High School and athletic fields and Centennial Park, on the south by a residence, and on the west by an existing subdivision. A flowing un-named tributary runs across the southern part of the site, from east to west, and discharges into Sugar Creek about 2 miles south-southwest of the site (Attachment 1C). An existing $\frac{3}{4}$ -acre pond (reshaped for this project) discharges to the tributary. Attachment 1 shows the (pre-development) topographic and hydrographic features. Attachment 2 is the Final Plat for the site.

Site clearing began in late January 2016. Site grading, sewer, water, storm sewers, and street installation have been completed. Several lots have been sold, and excavation is under way for one building foundation (lot # 13). In the weeks preceding this inspection, reserved top soil was spread over the surface of the site in preparation for seeding.

INSPECTION PROCEDURES

I arrived unannounced at the site on Wednesday morning, October 12. A light rain was falling and the temperature was around 45 °F with a north wind of around 15 miles per hour. I found Mr. Brown in his pickup monitoring a backhoe in the process of removing accumulated sediment from the pond (photo 15). He referred me to Bishop Environmental, Inc., for a copy of the site Storm Water Pollution Prevention Plan (SWPPP) and inspection reports. I contacted Bishop and Mr. Vencil agreed to send these documents to my email address immediately. I then telephoned Mr. Walters and left a voice message and call-back number. I conducted a walk-through inspection of the site, taking photographs (Attachment 3). I proceeded to the offices of Bishop Engineering in Des Moines, where I met Messrs. Bentz and Vencil and discussed the history of the project. I also collected another electronic copy of the site SWPPP and inspections. The next day, after reviewing those documents, I proceeded to the address of M & R Holdings, where I left a Notice of Potential Permit Violations (Attachment 5). I returned to the site on Friday, October 14 to take a few more photographs and I completed the Stream Characteristics and Water Nexus Field Sheet (Attachment 6), and Storm Water Inspection Work Sheet (Attachment 7). I received a call from Mr. Walters, responding to my earlier message. I summarized my findings for him and requested that he send a response to the NOPV in the next 10 days. On October 27, I received an email from Mr. Bentz (Attachment 15) responding to the NOPV.

FINDINGS AND OBSERVATIONS

Attachment 3 contains photographs taken during the inspection. Attachment 4 is a photo log and a map (site SWPPP drawing) showing the locations where key photos were taken. Attachment 7 is a completed Storm Water Inspection Worksheet and Attachment 6 is a Stream Characteristics and Water Nexus Field Sheet.

1. Notice of Intent and Storm Water Discharge Authorization: Attachment 8 is a copy of the Notice of Intent (NOI) filed by M&R Holdings on November 18, 2015, for coverage under the General Permit No. 2, and the Authorization notice from the Iowa Department of Natural Resources. The authorization (#28073-27824) became effective on December 1, 2015, and expires on November 25, 2018.

Mr. Bentz told me that work on the pond and a nearby wetland (see photo in May 6 inspection log; Attachment 11) were authorized under a Section 404 permit from the US Army Corps of Engineers,

with off-site mitigation.

2. Site Description: The site is 13.75 acres (with 10.2 acres disturbed, according to the NOI). The site was formerly wooded with a $\frac{3}{4}$ -acre pond and several buildings. The project involves demolition, clearing and grubbing, rough grading, installation of water, sewer, storm and utilities, paving of streets, finish grading and seeding/landscaping. The general contractor was originally identified as Monarch Foundations of Grimes, Iowa. Currently, the general contractor is Sandstone Management of Carlisle, Iowa. The contractor certification for Sandstone Management (Attachment 13) is dated September 26, 2016. Mr. Brown told me he had only been on site for a few weeks.

3. Storm Water Pollution Prevention Plan (SWPPP): Attachment 9 is the narrative SWPPP prepared for the project by Bishop Engineering. The document is entitled "Brandon's Reserve Tree Clearing" and is dated January 22, 2016. It is stated on the signature page that the SWPPP inspector, not Bishop Engineering, shall be responsible for updating this initial SWPPP. It may be noted, however, that the SWPPP inspector, Michael Wahlert, ICCSPPI, is employed with Bishop Environmental Inspections, which shares an address with Bishop Engineering.

Attachment 10 contains the initial SWPPP site drawing along with five updated versions of it. The initial document is dated February 19, 2016. Subsequent versions are dated March 11, May 6, June 6, August 29, and October 12 (the day of this inspection). (These are the revision dates of the electronic files I received).

The original plan depicts the following structural controls:

- A wet storm water detention/sediment basin at the center of the development receives runoff from approximately 7.5 acres of disturbed areas north of the creek. The existing $\frac{3}{4}$ -acre pond was reshaped and over-excavated by 3 feet to provide 29,000 cubic feet of sediment storage (108% of the recommended 3600 c.f. per acre disturbed).
- Silt fences: A line of silt fences was to be installed along each bank of the creek, on the slopes north and south of the creek, in two parallel lines surrounding the pond, one line on the slopes north and east of the pond, a line below each of four soil stockpiles, and a line on the slope leading down to the creek from Warrior Lane.
- Inlet protection: (silt fence) around ten inlets along the interior streets and six other area inlets; two near the north end of the property, two at the south end, and two in the road ditch west of Warrior Lane.
- A stabilized construction entrance was to be installed on the north side of the future main entrance (i.e., Ford Lane) at the beginning of the project. Later versions show a second construction entrance at the main entrance itself.
- 4 silt fence ditch checks: three in swales at the north and northeast ends of the site and one in the road ditch south of the main entrance.
- Rock aprons (or velocity dissipation structures) at six locations: at inlets on the north and southeast corners of the pond, at stormwater outfalls on the north and south creek banks, in the road ditch south of the main entrance, and at the south end of the site where runoff enters from the south.

4. Status of Site Controls: With respect to the best management practices (BMPs) listed above, I made the following observations during this inspection:

- **Sediment Basin:** The existing $\frac{1}{4}$ acre pond on this site was re-shaped to serve as a permanent wet retention basin. The banks have been stabilized with rip rap, and the inlets have rip rap aprons. Sediment accumulated in the pond during construction was being dredged out and placed along the banks to dry out (photos 15, 17). When I returned to the site on Friday, October 14, some of this material was being spread out on the lots adjacent to the pond (photos 67, 71, 72). Photos 63-65 show the discharge structure on the south side of the pond. Flow is controlled through a concrete weir inside the structure. The discharge is piped underground to the outfall on the unnamed tributary, about 125 feet to the south. Photos 26-28 & 54 show the rip-rapped outfall on the north bank of the creek. When I arrived on Wednesday, October 12, light rain was falling and the pond was discharging (photo 27). In spite of the dredging work, the discharge was relatively clear, with no discernible impact on the receiving stream.
- **Silt Fences (and Straw Wattles):** The only silt fences I observed were on the slopes on either side of the creek. The rest of the silt fences, Mr. Brown told me, had been removed in order to spread topsoil in preparation for site seeding. Inspection logs indicate that contractors began spreading topsoil in mid-August. From its appearance, however (e.g., photos 42, 48-51, 70) most of the darker-colored topsoil seemed to have been applied more recently (it lacked evidence of weathering or erosion). The fences that remained appeared to be installed by silt plow and were well anchored and of good quality construction and materials. One length of fence on the north side of the creek was filled with sediment and in need of maintenance, as seen in photos 33 & 34. The inspection logs (e.g., August 19) also show one such overtopped silt fence, but with another parallel line of silt fence immediately above it. By the time I inspected the site, the upper silt fence had been removed in order to spread topsoil.

Although the original SWPPP drawing depicted only silt fences, a line of straw wattles was also installed on edge of the stream banks by March 4. These are shown as “filter socks” on the May 6 and later versions of the SWPPP drawings (Attachment 10, A through F). The SWPPP inspector reported as early as April 22 that these controls needed repair (Attachment 11). By April 29, a third of them were in need of repair and, by May 27, half of them. The June 17 log (8 weeks after they were first mentioned) reported that new controls had been installed. The August 19 log noted the need for additional controls on the slope north of the creek on the east end of the site, and this is also indicated on the August 29 SWPPP drawing. The log for September 2 shows that new controls were added there. By the time I inspected the site, these straw wattles were undermined in several places, as seen in photos 35-39, 55, & 73. Although there was no mention of this in the last weekly inspection log (October 7), failing controls in this area are shown on the October 12 version of the SWPPP drawing (Attachment 10F). In his NOPV response (Attachment 15), Mr. Bentz said new controls had been installed since my inspection.

In other areas along the north stream bank, I noticed that erosion rills had developed at the points where the ends of two straw wattles butted up against each other (e.g., photos 20, 29, 31). These straw wattles should not be placed end-to-end, but rather overlapped tightly for several feet, in order to prevent runoff from finding its way between the two and developing erosive flows. The rill that begins in photo 31 extended about 20 feet down to the edge of the creek (photo 32).

- Inlet Protection: All of the area inlets were surrounded by straw wattles which were in good condition (photos 11, 13 & 45). The curb drain inlets had below grade fabric filter inserts (FlexStorm®) which are adjusted to fit the opening (photo 7). Mr. Brown told me that these are required by the City. These had only been in place for a week or two, since the streets and curb inlets were not completed until the end of September. There was a small amount of sediment accumulation observed in these inserts. All of the curb inlets and area inlets north of the creek drain to the pond. It is unclear what sediment controls, if any, were in place around these inlets *before* the curbs and curb inlets were installed. The SWPPP drawing called for sediment controls (silt fences) to be installed around them, but none of the weekly inspection reports mentioned these measures specifically.
- Construction Entrances: At the time of this inspection, the main entrance had been paved. There were no signs of recent traffic at other entrance locations. The weekly inspection photos show at least three locations where equipment had entered and/or exited the site during earlier phases of the project, and document significant delays in establishing and maintaining rock entrances (see further discussion below). Track-out of soil onto Warrior Lane was documented on 10 different inspection logs between March 18 and September 16.
- Ditch Checks: By June 10, ditch checks (straw wattles) had been installed in the ditch along Warrior Lane, according to the inspection report. There were no ditch checks in the ditch south of the main entrance on the day of this inspection (photo 40). If ditch checks had been in place, they may have been removed in order to spread topsoil in the weeks prior to this inspection. A crew was on site on Wednesday afternoon, October 12, installing two new ditch checks in a swale at the northeast corner of the site. By the time these were installed, however, some erosion rills had already developed, so there was not good contact between the wattle and the ground underneath (photo 66). Proper installation in such cases would require that either the surface be leveled before the wattles are placed, or the wattles be trenched into the ground.
- Rock Aprons: By the time of this inspection, all of the rip rap velocity dissipation structures called for in the SWPPP drawings had been installed. Two of these are pictured in photos 26 & 57.

Other Controls: Storm water measures that had been removed by the time of this inspection included concrete truck washout boxes and secondary containment for fuel tanks. Photographs included in the inspection logs show that these measures were in place during paving and grading operations.

The October 7 log calls for RECP (rolled erosion control product) to be installed around the inner banks of the pond, but this has not been done yet. Mr. Brown solicited my advice on stabilizing the steep bank on the south side of the creek (e.g., see photo 61). I referred him to the project engineers.

- Seeding & Mulching: Topsoil reserved from grading the site has been re-spread in preparation for final seeding. Mr. Brown told me that the site would be hydro-seeded as soon as possible. In his NOPV response email on October 27, Mr. Bentz said that site seeding should be done by October 31. It also states that the steep bank where the sanitary sewer crossing was installed has been stabilized with hydro-mulch and seeded.

5. Site Inspection Logs: Attachment 11 contains copies of the site inspection reports conducted by Bishop Environmental (co-located with Bishop Engineering at 3501 104th St. in Des Moines). There are 32 reports for the 37 week period from January 29 through October 7, 2016. Inspections are generally conducted on Fridays, with a few on Thursday. There were no reports included for the weeks of June 3, July 1, August 26, September 9, and September 23. The records I received from Mr. Vencil were also missing inspections for the week of April 15 and May 13, but Mr. Bentz sent copies of these with his NOPV response email. He also stated that any missing weeks were the result of the electronic file sharing, not a failure to perform the inspections.

Appendix A presents a chronology of construction activities and storm water control installation activities on the site, as ascertained from the inspection logs.

The report form consists of some generic checklists and a comment field for listing Action Items. The checklist section is not utilized, for the most part. (All boxes are marked “yes” even when this is contradicted by the comments that follow). Information about the progress of construction activities on the site is sparse, and no weather information is provided at all. Both of these are necessary to provide context for the storm water inspections. Either an on-site rain gauge or a local weather station can be used to track precipitation.

For ease of comparison, in Attachment 12 I have placed copies of page 2 of each of the inspection logs. Page 2 contains the Comments/Action Items section of the inspection form. This page conveys *some* information about the storm water controls on the site. In many cases, however, this information is simply carried over from one report to the next, without being updated. For example, the June 17 log reported the installation of a rock construction entrance and new controls along the creek, soil stockpiles, and drainage swales. The same language was repeated word for word in each of the next 11 inspection logs (June 23 through September 16), although these controls were only installed once. More than 17 inches of rain were reported at the Des Moines International Airport during these 13 weeks but, since all ten inspection reports filed during this period are identical, they convey essentially no actual information about the site throughout this critical stretch of time.

Photographs attached to each report convey *some* additional information about the status of the site. The photos are not dated, however, and most lack information about the context or location. Several of the photos appear in more than one report, so it is not clear when they were taken. For example, the same silt fence photos appear in the April 29 and May 6 reports. The same photo of straw wattles appears on June 17 and June 23, and the same silt fence photos appear on July 29 and August 5. Site photos should be identified by date, location, orientation, and intent.

The permit requires that deficiencies identified by the site inspector be corrected within 7 days (i.e., before the next inspection). *All but four* of the 30 inspection logs report the need for installation or maintenance of one or more site controls. The developer and/or contractors for this site were, in general, slow to implement the action items prescribed. For example:

- The first inspection log and twenty of the subsequent logs reported the need for installation or maintenance of construction entrances. The SWPPP drawings (Attachments 10B, C, D, & F) depict two stabilized construction entrances along Warrior Lane. The March 18 report has a photograph of a construction entrance with the suggestion that more rock be added, but the only rock visible in the photo is some gravel that is ground into the soil; not the 2 or 3-inch stone called for in the SWPPP. It is not until May 27 (17 weeks after it was first recommended) that the installation of a stabilized construction entrance was reported. This entrance was in the

center, where the entrance to the development (Ford Lane) is now located. The February 18, March 11, and July 8 reports include photos of two other entrances (north and south of the first location) where rock stabilization was needed. The August 12 inspection log also notes that one of the entrances was in need of rock. The following week, a photograph shows freshly-installed rock at the north entrance. Track-out of soil onto the street was reported and/or shown pictorially in the April 1, April 6, May 6, May 18, June 17, July 8, July 22, August 12, and September 16 reports. The track-out appears severe on May 6, May 13, and July 8. It appears that the street has been swept in some of the photos (e.g., April 29).

- Filter socks were installed the week of March 4 along both creek banks. It was reported on April 22 that these controls were in need of maintenance. The following week, it was reported that 1/3 of these controls were in need of repair and, by May 27, half were in need of repair. No corrective actions were reported until the week of June 17 (8 weeks after the initial observation), when additional controls were installed on both sides of the channel.

6. Temporary stream crossing: The inspection log for April 1 notes that a temporary stream crossing was constructed on the tributary crossing the site, near the upstream end (see photos in April 16 and May 27 reports). The report questions whether the crossing is permitted and whether it conforms to construction standards. The photos show rock and concrete slabs across the channel, with no pipes to convey the stream flow, and subsequent inspection logs refer to the causeway as “improperly installed. The May 27 log reports that the City of Waukee had ordered the removal of the stream crossing. Photos taken on August 19 (weekly inspection report) and September 11 (aerial photo-Attachment 1*) show a stream crossing with a pipe (estimated at 12 inches in diameter) underneath. Mr. Bentz told me that he had contacted the Corps of Engineers beforehand and was given the go-ahead (by email) for construction of the stream crossing. By the time of this inspection, the structure had been removed, but there were tracks indicating equipment had recently crossed the creek at this point.

7. Contract Certification: Attachment 13 contains copies of the signed contractor certification statements acknowledging joint responsibility for implementation of the SWPPP and compliance with permit conditions.

8. Notice of Transfer of Responsibility: At the time of this inspection, Lots 13, 14, and 5 had been sold. Excavation was underway on Lot 13 for building foundations (photo 16). Attachment 14 is an addendum to the purchase agreement, signed by the buyers of Lot 14, which transfers responsibility for compliance with the terms, provisions, and requirements of the General Permit and the SWPPP, from the seller to the buyer.

CONCLUSIONS/RECOMMENDATIONS

1. In 26 of the 30 site inspections completed since this project started, the inspector documented the need for installation, maintenance, repair, or replacement of various storm water control measures. The permittee and/or its contractors (co-permittees) have failed to implement and/or maintain site erosion and sediment controls on this site in a timely manner. For example:

- After the site inspector first documented the need for a stabilized construction entrance on January 29, seventeen weeks elapsed before the measure was installed the week of May 27 (after the deficiency had been pointed out in 11 more inspection reports). The SWPPP and the NPDES permit require a stabilized construction entrance to be installed at the *beginning* of the project.

The permit also requires any deficiencies to be corrected within 7 days after the inspection.

- Track-out of soil onto the public street (Warrior Lane) and the need for stabilized entrances continued to be an issue even after May 27.
- Seven weeks after sediment controls (straw wattles) were installed along both sides of the on-site tributary, they were reportedly in need of maintenance. Based on weekly inspection logs, the issue was not addressed until the week of June 17, eight weeks after it was initially reported.
- Even though the straw wattle sediment controls were staked down, I observed gaps underneath them at several locations where the wattles were placed end-to-end or where erosion rills had developed. Where two wattles meet, they should be tightly overlapped by several feet to prevent runoff from flowing in between them. On slopes where concentrated flows are expected, the wattles should be trenched into the ground to prevent runoff from flowing underneath, or an alternative sediment control device should be used.

2. The permit requires site inspections to be conducted and documented every 7 days. Inspection records provided by the contractor were missing reports for 5 of the 37 weeks since work began on this site. The inspection reports that were completed were generally inadequate. The checkboxes on the first page of each report were always marked “in compliance”, even when deficiencies were reported. Many of the records reported the same information over and over again (e.g., the twelve inspection logs filed between June 17 and September 16 were *identical*, with no mention of the impact on the site of 17 total inches of rain.)

3. Photographs attached to the weekly site inspection reports enhance the value of the reports. However, the photos should be dated, and information about the context and location of each photo should be provided. For further context, the inspection logs should contain information about rainfall, either from an on-site rain gauge or a local weather station.

4. Topsoil was spread across the site in the weeks preceding this inspection. The permit requires that all areas where soil disturbing activities are halted for 21 days or more to be stabilized within 14 days. The site should be stabilized with mulch and seeding as soon as possible.

5. To prevent adverse impacts to the on-site tributary, the southern part of the site should be accessed from the street rather than by driving equipment or vehicles through the stream. If repeated access is required, a stabilized construction entrance should be installed.



Peter M. Green

Environmental Scientist

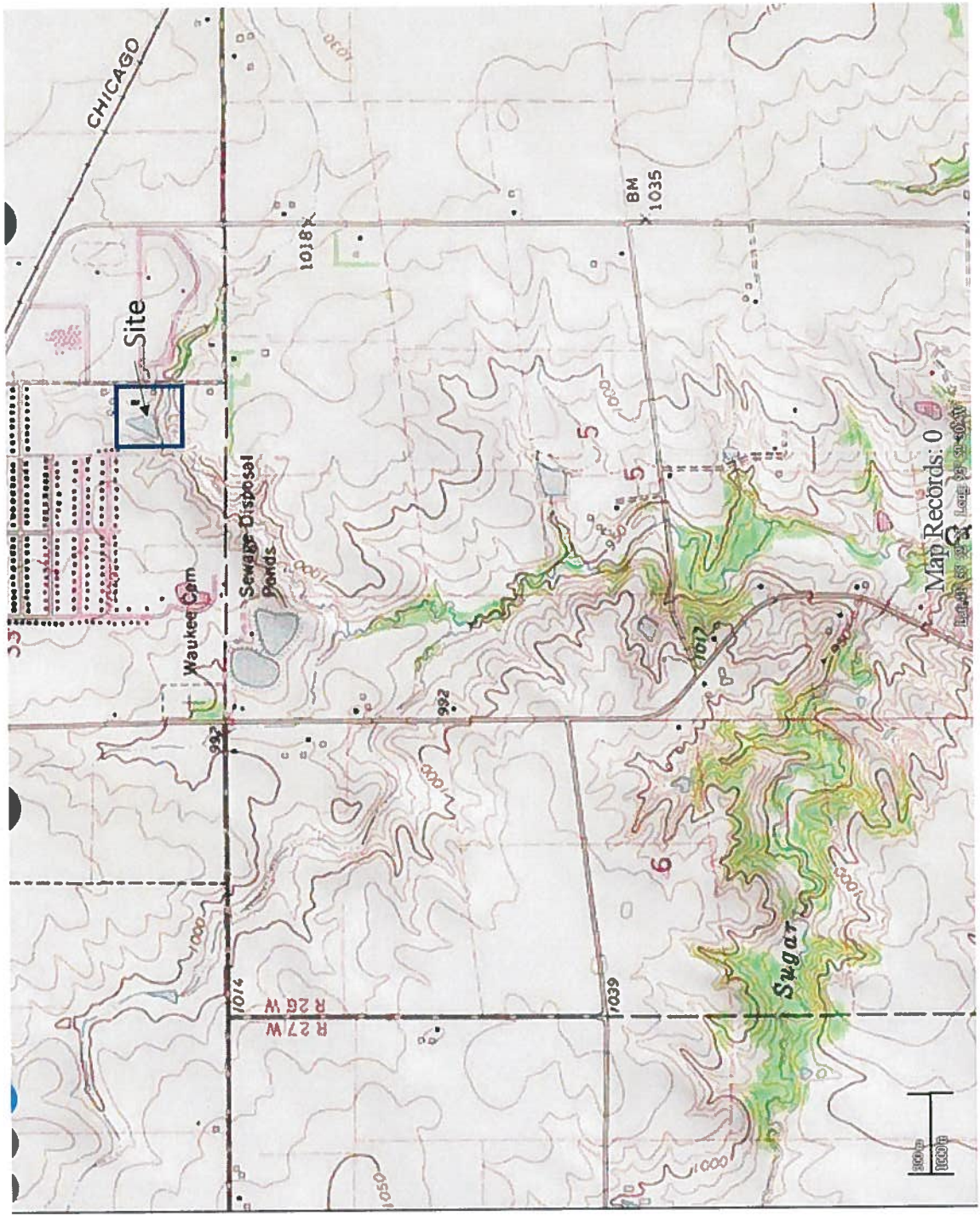
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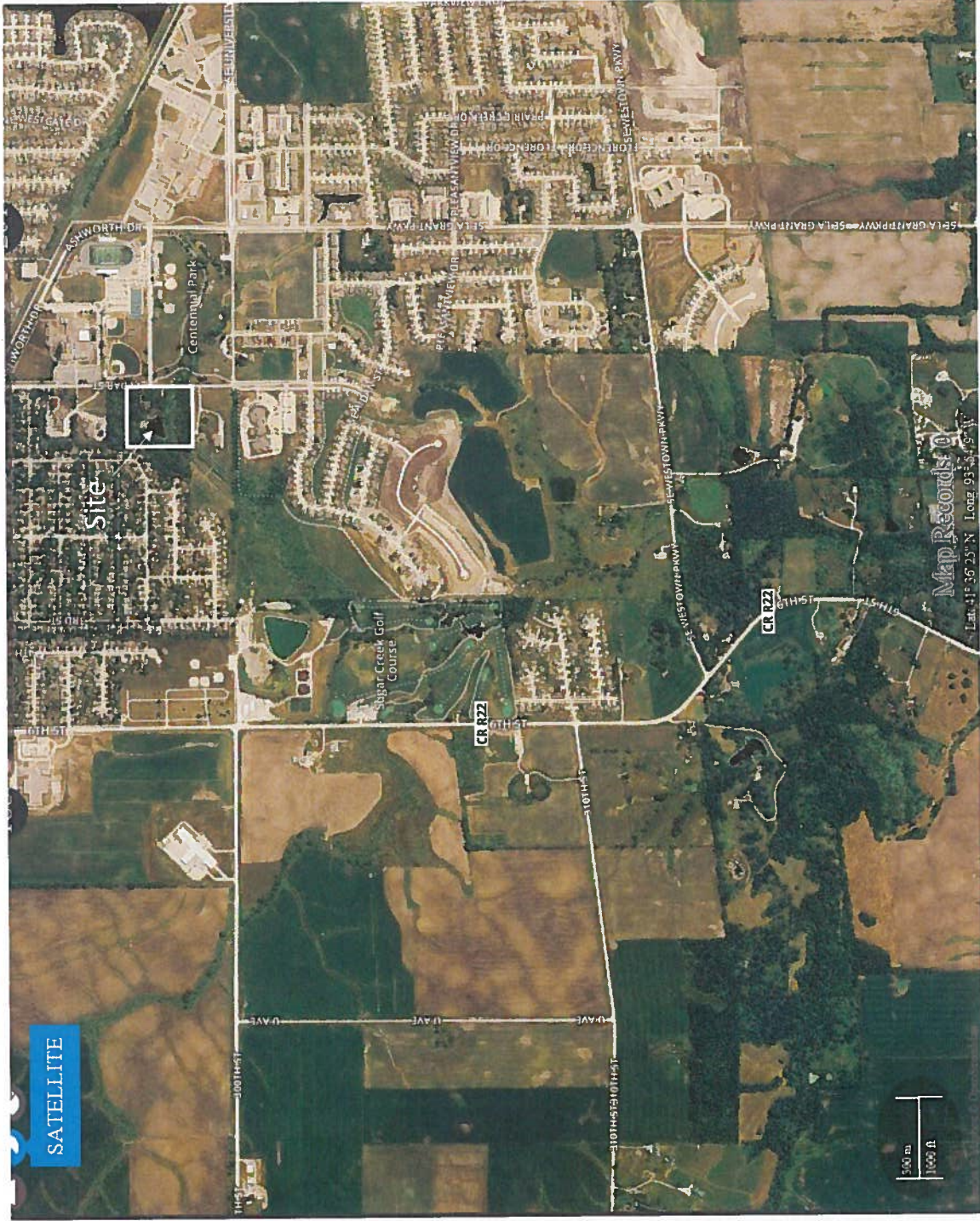
Date: October 26, 2016

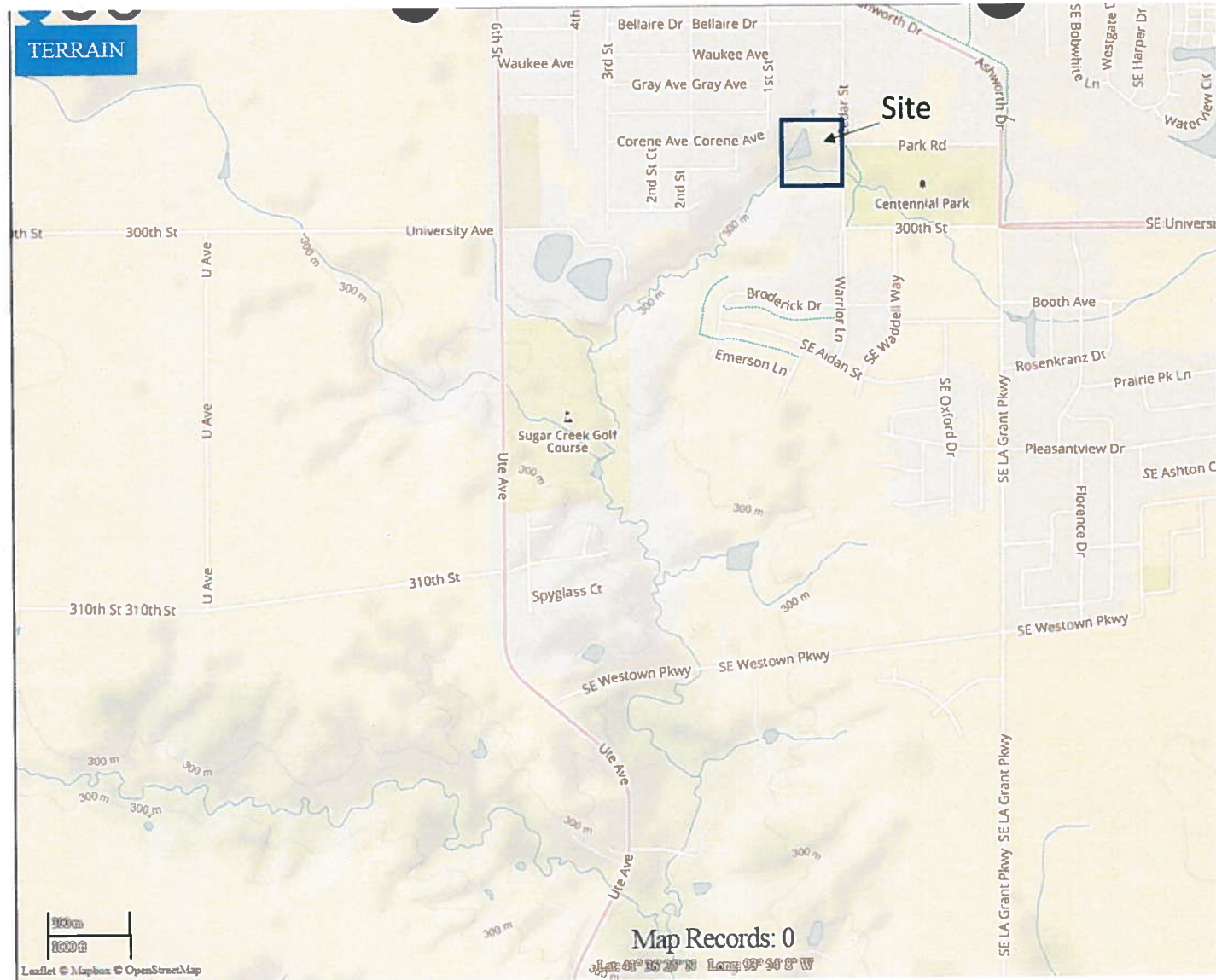
Appendix A: Timeline of Construction and Storm Water Control Activities (from Weekly Inspection Logs) (1 page)

Attachments:

1. Maps/Aerial Photos (4 pages)
2. Brandon's Reserve Final Plat (10/04/2016) (1 page, 11" x 17")
3. Digital Photos Taken During the Inspection, with Captions (77 photos; 78 pages)
4. Photo Log and Site SWPPP Drawing Showing Locations of Photos (3 pages)
5. Notice of Potential NPDES Permit Violations (1 page)
6. Stream Characteristics and Water Nexus Worksheet (2 pages)
7. NPDES Construction Storm Water Worksheet (10 pages)
8. Notice of Intent (11/18/2015) and Storm Water Authorization Notice (12/01/2015) (6 pages)
9. Narrative Storm Water Pollution Prevention Plan for Brandon's Reserve Tree Clearing (Bishop Engineering; 01/22/2016) (25 pages)
10. Original (02/19/2016) and Subsequent Updated SWPPP Drawings (6 pages, 11" x 17")
11. Erosion Control Weekly Inspection Reports (with Photos); 01/29/2016 through 10/07/2016 (261 pages)
12. Erosion Control Weekly Inspection Reports (Comments/Action Items pages only) (32 pages)
13. Signed Contractors' Certification Statements (6 pages)
14. Signed NPDES Addendum to Purchase Agreement (1 page)
15. 10/27/2016 Email from Bishop Engineering Regarding: Response to NOPV (2 pages)







ATTACHMENT 1C

APPENDIX A: Timeline of Activities

CONSTRUCTION ACTIVITIES:

Jan. 29: Site clearing has begun.

March 4:

March 18:

April 1: Temp. stream crossing constructed.

April 22: Pond drained

April 29:

May 6: Rough grading has begun.

May 27:

June 10:

June 17: A sanitary sewer line is being installed across the creek channel.

July 29:

August 12:

August 19: Contractors have begun spreading the reserved topsoil in preparation for site seeding.

September 2: The streets have been installed.

September 16: Photo: walkway under constr.

September 30: Streets & sidewalks completed and backfilled.

October 7: Site grading 90% complete

(from Inspection Reports):

STORM WATER CONTROLS:

Ground is frozen through mid-February.

Filter socks were installed N & S of creek.

Roll-off trash dumpster brought on site.

Rip rap placed below pond discharge.

Photos of new silt fence along N bank of creek.

Stabilized constr. entrance @ unspec. location.

Unspec. "new controls" along creek, silt fence around soil stockpiles (6/17 photos). Photos of new wattles in road swale, portapotty on site.

1400 l. f. silt fence installed on N & S sides of creek. Photos show new silt fence on slope north of the upstream end of the creek.

Photos of new silt fences @ unspec. locations.

Photos of silt fence full of sediment N of creek, but 2nd line of silt fence backs it up. Photos show new rock on the main entrance.

New wattle on slope N of creek @ E end. Photo of 2 concrete washout boxes, & filter sock around area inlet near Warrior Lane.

Below-grade filter baskets in place at each of the 10 curb inlets.

10-14-16
email
attachment

BRANDON'S RESERVE FINAL PLAT

OWNER:
M & R HOLDINGS
15602 WALDEN DRIVE
URBANDALE, IOWA 50323
PH: (515) 306-8090

DEVELOPER:
M & R HOLDINGS
15602 WALDEN DRIVE
URBANDALE, IOWA 50323
PH: (515) 306-8090

SURVEYOR:
BISHOP ENGINEERING
ATTN: LARRY HYLER
3501 104TH ST
URBANDALE, IA 50322
PH: (515) 278-5467

MODIFIED BULK REGULATIONS:
MINIMUM LOT SIZE: 10,000 SF
MINIMUM LOT WIDTH: 80 FT
FRONT YARD SETBACK: 30 FT
REAR YARD SETBACK: 30 FT
TOTAL SIDE YARD: 15 FT COMBINED (7 FT MINIMUM ONE SIDE)

*SETBACKS WITHIN THIS PLAT SHALL BE TAKEN FROM CUMULATIVE OUTER BOUNDARIES OF PAIRED LOTS. LOT 2 SHALL BE PAIRED WITH LOT 2A. LOT 3 SHALL BE PAIRED WITH LOT 3A. LOT 4 SHALL BE PAIRED WITH LOT 4A. LOT 5 SHALL BE PAIRED WITH LOT 5A.

BENCHMARK:
BM 41
HYDANT 90 FEET NORTHEAST OF SITE ON EAST SIDE OF WARRIOR LAKE
ELEVATION = 1027.55 (DAVID 88 DATUM)

ZONING:
R-1 SINGLE FAMILY RESIDENTIAL DISTRICT
MODIFIED

PROPERTY DESCRIPTION:
(WARRANTY DEED BOOK 1997 PAGE 10784)

BEGINNING AT A POINT BEING 454.7 FEET N 0° 00' OF THE SOUTHEAST CORNER OF SECTION 33, THENCE S 89° 30' W 986.2 FEET, THENCE N 0° 00' E 318.0 FEET, THENCE N 65° 16' E 363.6 FEET, THENCE N 0° 00' E 400 FEET, THENCE N 80° 56' E 636.7 FEET, THENCE S 0° 00' ALONG THE EAST LINE OF THE SE 1/4 OF SECTION 33 AND ALONG THE CENTERLINE OF EAST ROAD 870.0 FEET TO THE POINT OF BEGINNING, ALL OF SAID PARCEL BEING IN THE SE 1/4 OF SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF THE 5TH P.M., DALLAS COUNTY, IOWA, AND BEING IN AND FORMING A PART OF THE TOWN OF WAUKEE, DALLAS COUNTY, IOWA, SUBJECT TO AN EASEMENT FOR PUBLIC HIGHWAY ON THE EAST 33.0 FEET THEREOF, AND EXCEPT THE FOLLOWING DESCRIBED REAL ESTATE, BEGINNING AT A POINT 454.7 FEET NORTH 0° 00' AND 627.2 FEET SOUTH 89° 30' WEST OF THE SOUTHEAST CORNER OF SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF THE 5TH P.M., CITY OF WAUKEE, DALLAS COUNTY, IOWA, THENCE SOUTH 89° 30' WEST 341.0 FEET, THENCE NORTH 0° 00' EAST 318.0 FEET, THENCE NORTH 65° 16' EAST 363.6 FEET, THENCE SOUTH 47° 56' EAST 323.5 FEET, THENCE SOUTH 15° 15' EAST 126.49 FEET TO THE POINT OF BEGINNING, ALL OF SAID DESCRIBED PARCEL BEING IN THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER (SEC 14 SE 1/4) OF SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF THE 5TH P.M., IN THE CITY OF WAUKEE, DALLAS COUNTY, IOWA, AND SAID PARCEL CONTAINS APPROXIMATELY 1.94 ACRES SAID TRACT OF LAND BEING SUBJECT TO AND TOGETHER WITH ANY AND ALL EASEMENTS OF RECORD SAID TRACT OF LAND CONTAINS 13.78 ACRES WHICH INCLUDES 0.88 ACRES OF ROADWAY EASEMENT

GENERAL NOTES SHEET 1:

1. LOTS 1A THROUGH 19 ARE STREET LOTS TO BE DEDICATED TO THE CITY OF WAUKEE
2. ALL EASEMENTS SHALL BE PUBLIC UNLESS OTHERWISE NOTED AS PRIVATE
3. BEARINGS DERIVED FROM GPS OBSERVATIONS USING THE STATE PLANE COORDINATE SYSTEM (NAD83 - IOWA SOUTH)
4. THIS PLAT HAS AN ERROR OF CLOSURE OF LESS THAN 1 FOOT IN 10,000 FEET AND EACH LOT WITHIN THIS PLAT HAS AN ERROR OF CLOSURE OF LESS THAN 1 FOOT IN 5,000 FEET
5. ALL LOT CORNERS HAVE BEEN SET WITH A 3/4" IRON PIPE WITH A YELLOW PLASTIC CAP ID # 14775 OR AS NOTED
6. SPOT GRADES NOTED ON THIS FINAL PLAT ON SHEET 2 ARE FOR REFERENCE ONLY SEE CONSTRUCTION DRAWINGS ON FILE AT CITY HALL FOR COMPLETE GRADING INFORMATION
7. THE MINIMUM PROTECTION ELEVATIONS (MPE) AND SINGLE SPOT GRADE CALL OUTS ARE IN ACCORDANCE WITH THE STORM WATER MANAGEMENT AND CONSTRUCTION PLANS. THE CITY OF WAUKEE REQUIRES MPE'S AND SPOT GRADES TO BE PLACED ON THE FINAL PLAT. THE SURVEYOR DOES NOT CERTIFY TO THOSE ELEVATIONS SHOWN ON THE PLAT
8. THE DETENTION BASIN WILL BE CONTAINED WITHIN AN EASEMENT AND A MAINTENANCE AGREEMENT WILL BE EXECUTED THROUGH THE BRANDON'S RESERVE HOME OWNERS ASSOCIATION SET UP BY THE DEVELOPER
9. THE INGRESS/EGRESS EASEMENT SHALL ALLOW THE OWNER OF LOT 9 TO INSTALL AND/OR ATTACH TO ANY PAYMENT FOR MEANS OF INGRESS/EGRESS TO SAID LOT 5 OVER AND THROUGH LOT 4 WITHIN THE EASEMENT. THE SPLITTING OF MAINTENANCE COST SHALL BE AGREED TO BY MUTUAL AGREEMENT BETWEEN THE OWNERS OF LOT 4 AND 5 SHOULD A MUTUAL AGREEMENT NOT BE ABLE TO BE REACHED. BINDING ARBITRATION SHALL BE ENTERED, AND THE ARBITER SHALL BE CHOSEN BY THE OWNER OF LOT 4. THE CITY WILL NOT AND SHALL NOT HAVE ANY INVOLVEMENT WITH ANY DISPUTE ARISING FROM THE INGRESS/EGRESS EASEMENT
10. ALL OUTLOTS INDICATED ON THIS PLAT SHALL HAVE AN ALL ENCOMPASSING OVERLAND FLOWAGE EASEMENT FOR THE ENTIRE OUTLOT
11. OUTLOTS 5A, 4A, 3A, AND 2A SHALL BE TIED TO AND OWNED WITH THE SAME OWNER AS THE CORRESPONDING LOT NUMBER. THE OUTLOTS SHALL ALWAYS BE SOLD WITH THE CORRESPONDING LOT NUMBER
12. EASEMENT DIMENSIONS AND SPOT GRADES ARE SHOWN IN DETAIL ON SHEET 2. THE HOME OWNERS ASSOCIATION WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE BUFFER EASEMENT

MINIMUM PROTECTION ELEVATION NOTES:

1. MINIMUM PROTECTION ELEVATIONS (MPE) ARE FOR REFERENCE ONLY. SURVEYOR OR CERTIFICATION DOES NOT APPLY TO ANY GRADES SHOWN ON THIS PLAT. ALL LOTS, WITH OR WITHOUT MPE'S, SHALL BE REVIEWED FOR CONFORMANCE WITH THE STORMWATER MANAGEMENT PLAN AND GRADING PLAN
2. THE HOME BUILDER SHALL ENSURE ALL DRAINAGE SWALES ARE MAINTAINED AND/OR PROTECTED AS DESIGNED DURING HOME CONSTRUCTION AS INTENDED IN THE ORIGINAL DESIGN AND APPROVED BY THE CITY
3. HOME BUILDERS SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE AWAY FROM HOUSE AND THAT ALL DRAINAGE SWALES AROUND HOUSE ARE SIZED TO CONVEY THE 100-YEAR STORM EVENT
4. LOTS WITH MPE'S NOTED WITH AN ASTERISK (*) DRAIN FROM REAR TO FRONT. HOME BUILDER SHALL BE RESPONSIBLE FOR THE CONVEYANCE OF ALL STORM WATER ACROSS SUBJECT LOT, DRAINAGE SHALL BE CONVEYED AROUND THE SIDES OF THE HOUSE AND TO THE STREET
5. MPE'S LISTED DO NOT ACCOUNT FOR DRAINAGE THROUGH SIDE YARDS INCLUDING THE OVERTOPPING OF STREET LOW POINTS. THE HOME BUILDER SHALL BE RESPONSIBLE FOR GRADING THE SIDE YARD TO ACCOUNT FOR THE VARYING DEPTH OF FLOW AND ENSURING FLOOD PROTECTION AND POSITIVE DRAINAGE AWAY FROM THE HOUSE
6. MPE'S PROVIDED ARE BASED ON PROPOSED CONTOURS AND NOT ACTUAL AS-BUILT GRADES. HOME BUILDERS MUST ADJUST MPE'S ACCORDINGLY AND GRADE LOT TO HAVE POSITIVE DRAINAGE TO PROPERTY LINES AND PUBLIC WAYS
7. LOTS LEFT LOW ON GRADING PLAN ARE INTENDED FOR BASEMENT DIRT TO BE USED AS FILL AROUND HOUSE TO ASSURE POSITIVE DRAINAGE AWAY FROM HOUSE
8. MPE'S LISTED DO NOT ACCOUNT FOR DEPTH OF SANITARY SERVICE. THE HOME BUILDER SHALL BE RESPONSIBLE FOR VERIFYING THE DEPTH OF THE SERVICES AND SET THE BASEMENT ELEVATION ACCORDINGLY
9. LOTS WITH MULTIPLE MPE'S ARE NOTED WITH THE DIRECTION THE MPE APPLIES IN BRACKETS. FOR EXAMPLE [N] APPLIES TO THE NORTH SIDE OF THE LOT AND [S] APPLIES TO THE SOUTH SIDE OF THE LOT

CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD	BEARING	DELTA
C1	47.65	150.00	47.48	N80°53'38"W	18°12'45"
C2	47.68	150.00	47.48	N80°53'38"W	18°12'45"
C3	130.00	200.00	127.72	S80°13'20"E	37°14'32"
C4	209.25	150.00	192.09	N41°11'32"E	79°56'39"
C5	128.05	1500.00	128.01	N01°10'28"W	4°53'28"
C6	75.30	50.00	68.44	N48°48'36"W	86°22'48"
C7	51.58	180.00	51.43	S79°59'49"E	16°23'01"
C8	38.14	120.00	37.98	N60°53'38"W	18°12'45"
C9	34.52	25.00	31.64	S50°26'33"W	79°00'58"
C10	61.80	180.00	61.49	N30°43'10"E	18°49'13"
C11	88.12	180.00	87.71	N41°23'47"E	21°41'00"
C12	73.70	180.00	73.19	N63°58'05"E	23°27'31"
C13	17.15	180.00	17.14	N78°25'38"E	5°27'30"
C14	5.91	230.00	5.90	N81°53'31"E	1°28'16"
C15	60.36	230.00	60.19	S89°51'19"E	15°02'11"
C16	20.21	230.00	20.28	S70°48'48"E	5°02'58"
C17	22.23	34.50	21.85	S84°15'09"W	36°35'32"
C18	102.89	55.50	88.83	S61°03'29"E	108°19'18"
C19	49.57	55.50	41.90	S17°40'14"W	51°08'00"
C20	106.02	55.50	90.62	N82°02'01"W	108°27'20"
C21	33.68	34.50	32.54	S56°28'31"E	56°16'20"
C22	45.29	170.00	45.16	N88°47'21"E	15°15'56"
C23	161.20	120.00	154.00	N41°14'29"E	79°48'48"
C24	10.10	1470.00	10.10	N01°04'43"E	0°23'31"
C25	80.02	1470.00	80.01	N08°40'38"W	3°07'01"
C26	35.50	1470.00	35.49	N02°55'42"W	1°23'01"
C27	30.15	20.00	27.38	N45°48'36"W	86°22'48"
C28	38.73	34.50	36.73	S57°50'23"W	84°19'15"
C29	25.19	55.50	24.86	N38°41'00"E	28°00'34"
C30	119.78	55.50	97.85	S66°28'51"E	123°38'38"
C31	91.08	55.50	81.61	S42°40'29"W	94°38'05"
C32	28.74	50.00	25.42	N74°48'52"E	30°38'16"
C33	53.31	50.00	51.99	S84°49'28"W	50°55'23"
C34	50.47	60.00	48.99	N45°36'58"W	48°11'40"
C35	53.07	60.00	51.36	N03°49'14"E	50°40'45"
C36	18.31	50.00	18.21	S18°49'06"W	20°59'01"
C37	10.29	50.00	10.28	S02°15'41"W	11°47'48"
C38	56.10	1529.99	56.09	N02°34'12"W	2°06'03"
C39	38.43	25.00	34.75	S45°33'08"E	86°02'50"
C40	55.91	180.00	55.68	S80°41'08"E	17°47'41"
C41	33.99	120.00	32.99	S79°39'49"E	15°49'08"



VICINITY MAP
SCALE: NOT TO SCALE

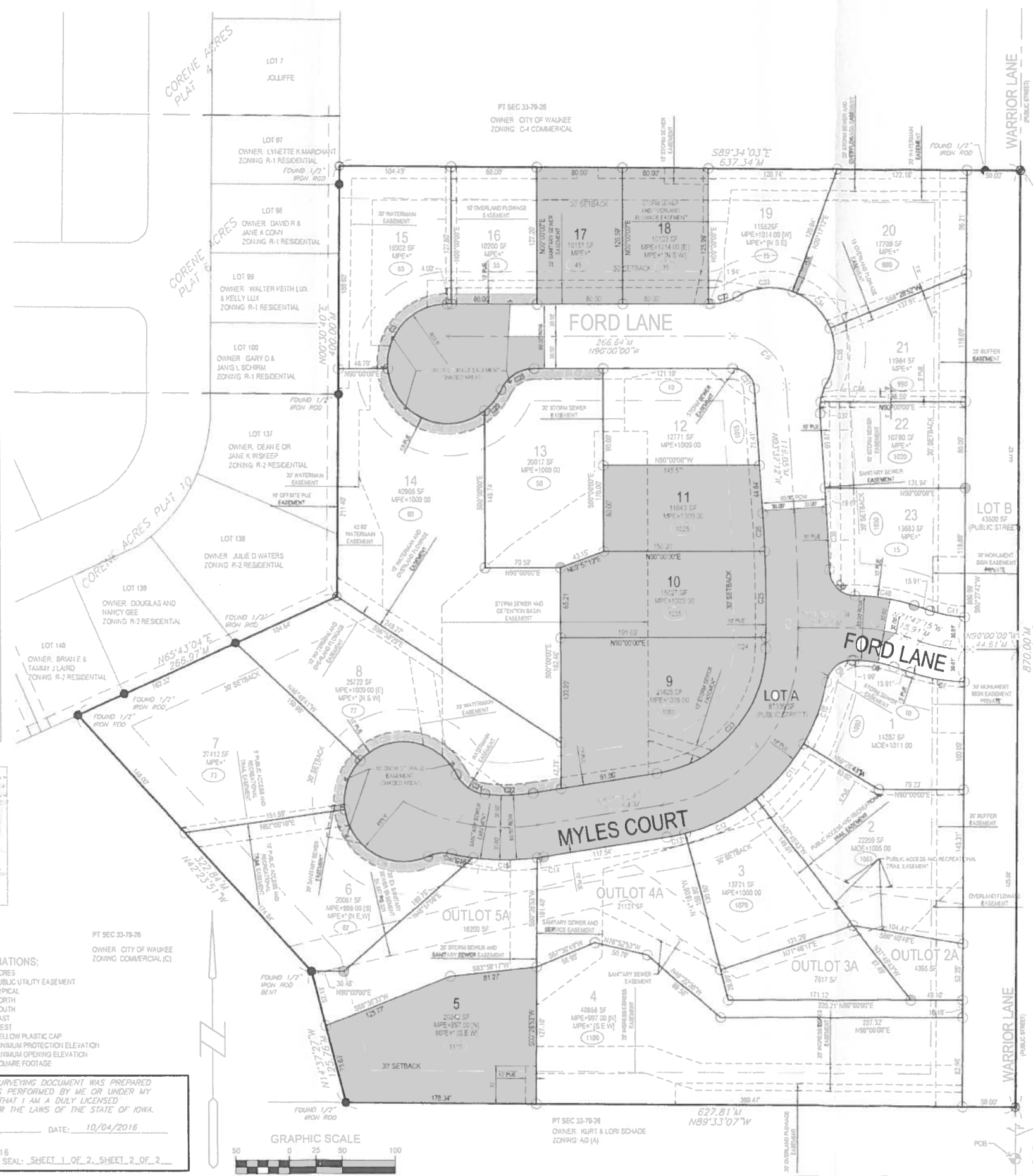
- LEGEND:
- PROPERTY CORNER - FOUND AS NOTED
 - PROPERTY CORNER - PLACED 3/4" IRON PIPE WITH YELLOW PLASTIC CAP ID #14775
 - SECTION CORNER - FOUND AS NOTED
 - ✕ CUT "X" IN PAVEMENT
 - ⑩ ADDRESS

- ABBREVIATIONS:
- AC ACRES
 - PUE PUBLIC UTILITY EASEMENT
 - TYP TYPICAL
 - N NORTH
 - S SOUTH
 - E EAST
 - W WEST
 - YPC YELLOW PLASTIC CAP
 - MPE MINIMUM PROTECTION ELEVATION
 - MOE MINIMUM OPENING ELEVATION
 - SF SQUARE FOOTAGE

I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED SURVEY WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA.

SIGNED: Larry D. Hyler DATE: 10/04/2016
LARRY D. HYLER, L.S. 14775

LICENSE RENEWAL DATE: DEC. 31, 2016
PAGES OR SHEETS COVERED BY THIS SEAL: SHEET 1 OF 2, SHEET 2 OF 2



Bishop Engineering
"Planting Your Successful Development"
3501 104th Street
Des Moines, Iowa 50322-8025
Phone: (515) 278-5467 Fax: (515) 278-0217
Civil Engineering & Land Surveying
Established 1959

BRANDON'S RESERVE
WAUKEE, DALLAS COUNTY, IOWA
FINAL PLAT

REFERENCE NUMBER	
DRAWN BY	EAV
CHECKED BY	LH
REVISION DATE	8-26-16 1ST SUBMITTAL 9-9-16 2ND SUBMITTAL 10-4-16 FINAL SUBMITTAL
PROJECT NUMBER	150351
SHEET NUMBER	1 OF 2

Brandon's Reserve

Single Family Residential Development Site Construction Storm Water Inspection

Digital Photos

taken October 12-14, 2016

by Pete Green, USEPA Region VII

(See ATTACHMENT 4 for locations of photos.)



2. Sign at entrance off Warrior Drive (N).



3. View toward creek, from entrance drive (SSW).



4. Creek on south end of project, from top of Warrior Lane box culvert (WNNW).



5. Typical curb drain inlet, with portapotty, near entrance (W).



6. Close-up of curb inlet in previous photo.



7. Curb inlet with grating removed to show filter insert.



10.12.2016 10:07

8. View along interior drive, showing fronts of lots 23, 22, 21 (NNW).



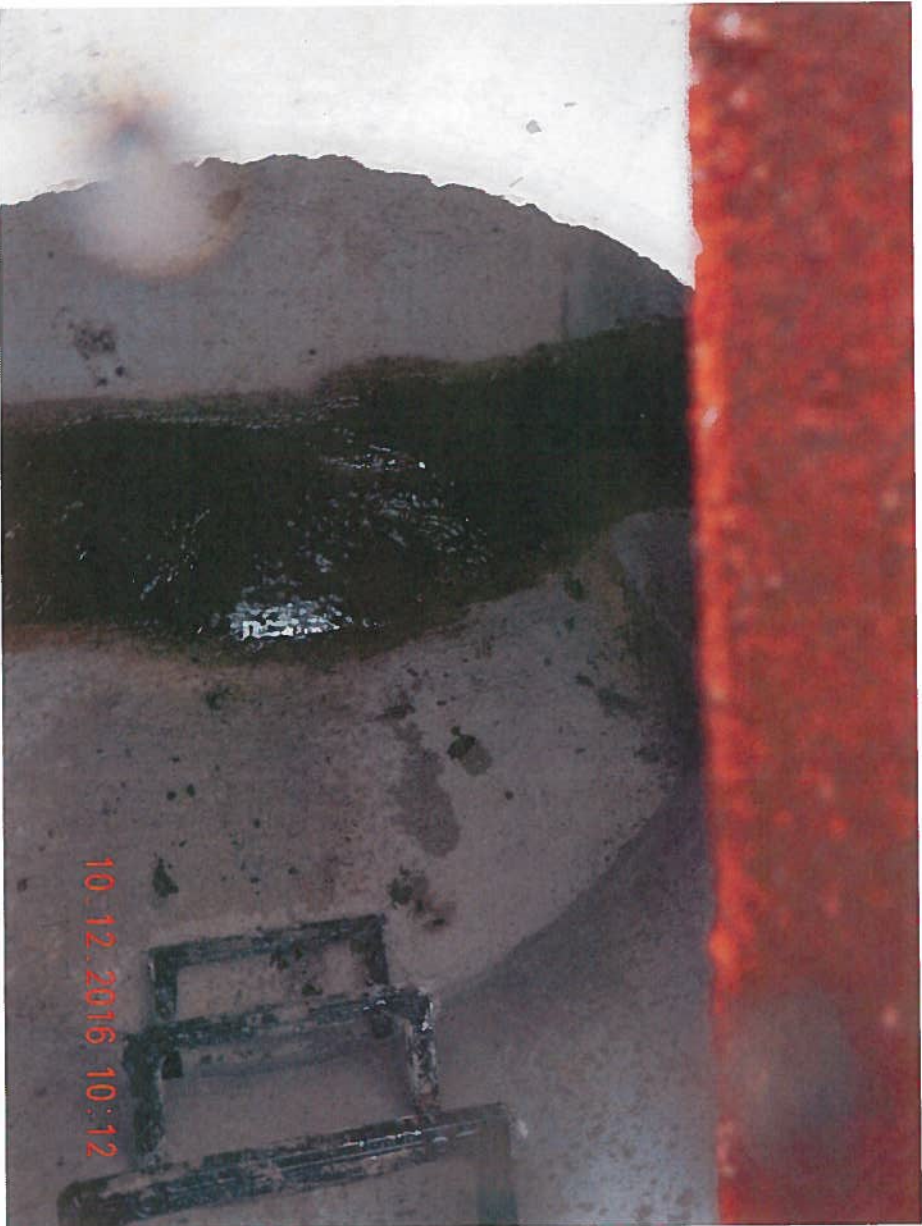
9. Another curb inlet with filter insert, on north side of street (N).



10. Paired inlets on south side of street, north of pond (S).



11. Area inlet near north end of site (~Lots 18/19), with mulch wattle (NW).



12. Flowing water in area inlet (flowing from north side)



13. Area inlet near north edge of property (NNE).

14. Storm water discharge from Waukee
Library grounds north of site. (N)





15. Equipment on site removing sediment from pond (S).



16. Excavation on west side of pond for building foundation on Lot 13 (ESE).



17. View of pond from Lot 13 or 14 (E).



18. West perimeter of property (draining toward interior of property & pond) (WSW).



19. Sediment controls above creek near southwest corner of property (silt fences & straw wattles) (NW).



20. Gap between ends of straw wattles, with erosion rill (NNE).



21. View upgradient from vegetated buffer along creek, with multiple silt fences (N).

22. Straw wattle below silt fences (W).





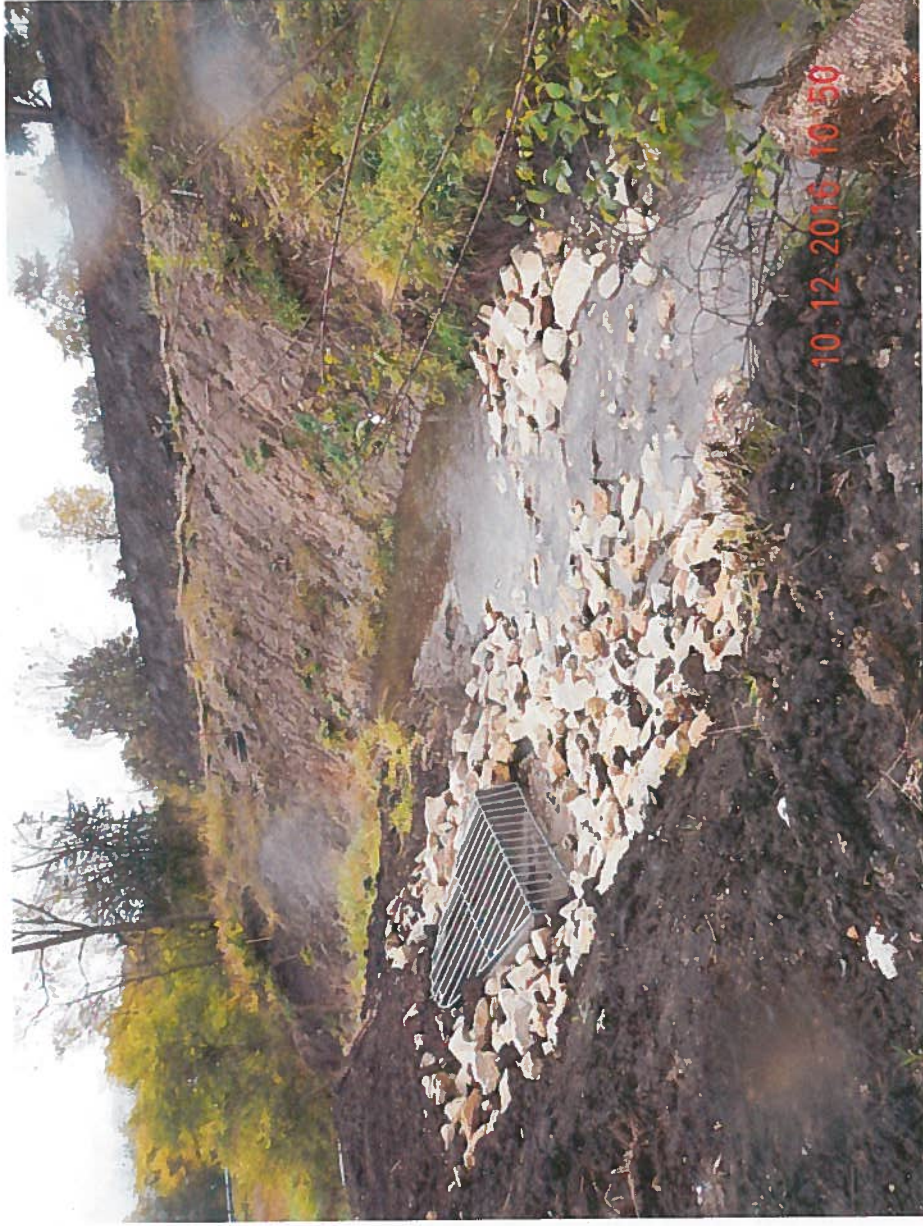
23. View across creek near southwest corner of site (SE).



24. Stream buffer near southwest corner of site (WNW).



25. Straw wattles at edge of stream buffer (E).



26. Flared end structure with rip rap at discharge from pond to creek (ESE).



27. Discharge from pond to creek (WSW).



28. View downstream from outfall (SW).



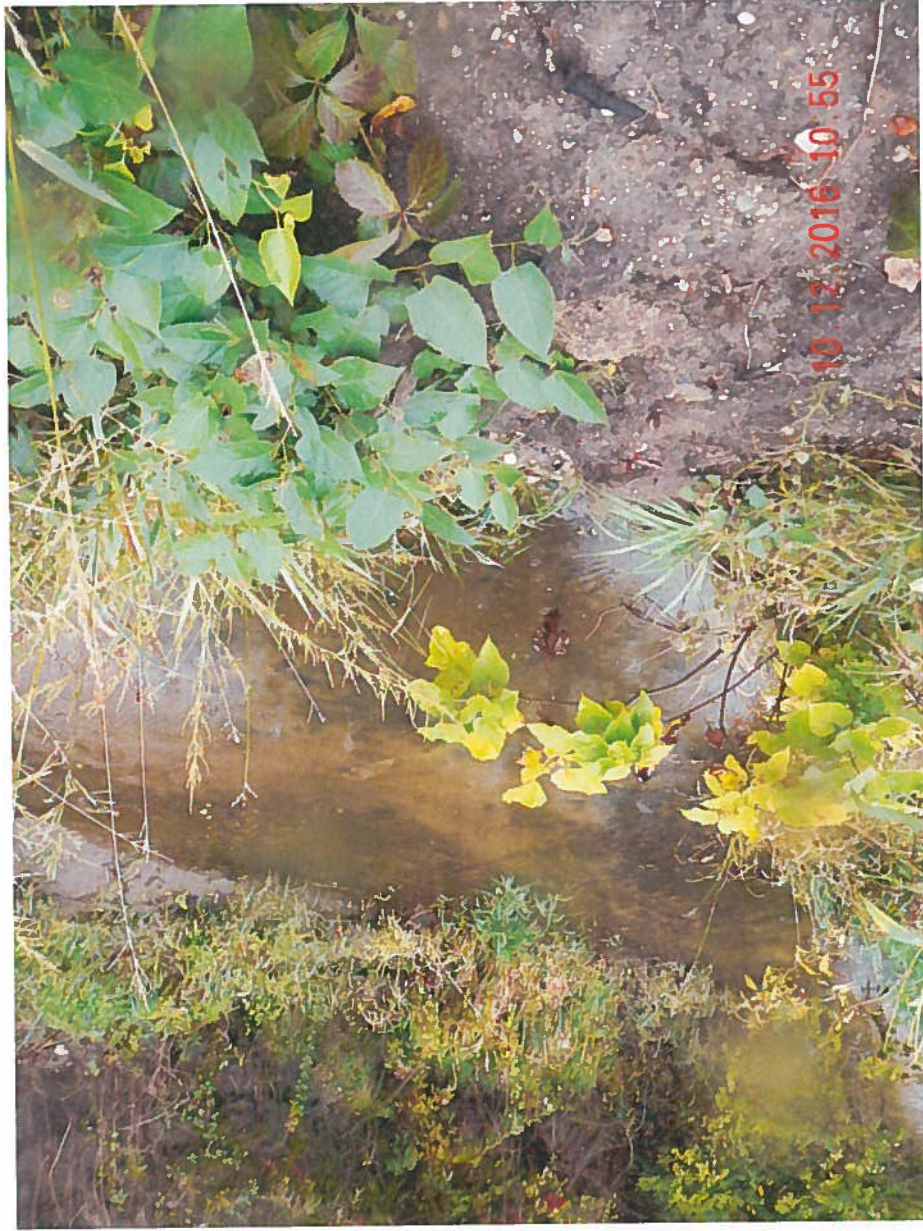
29. Gap between straw wattles above creek (SSE).



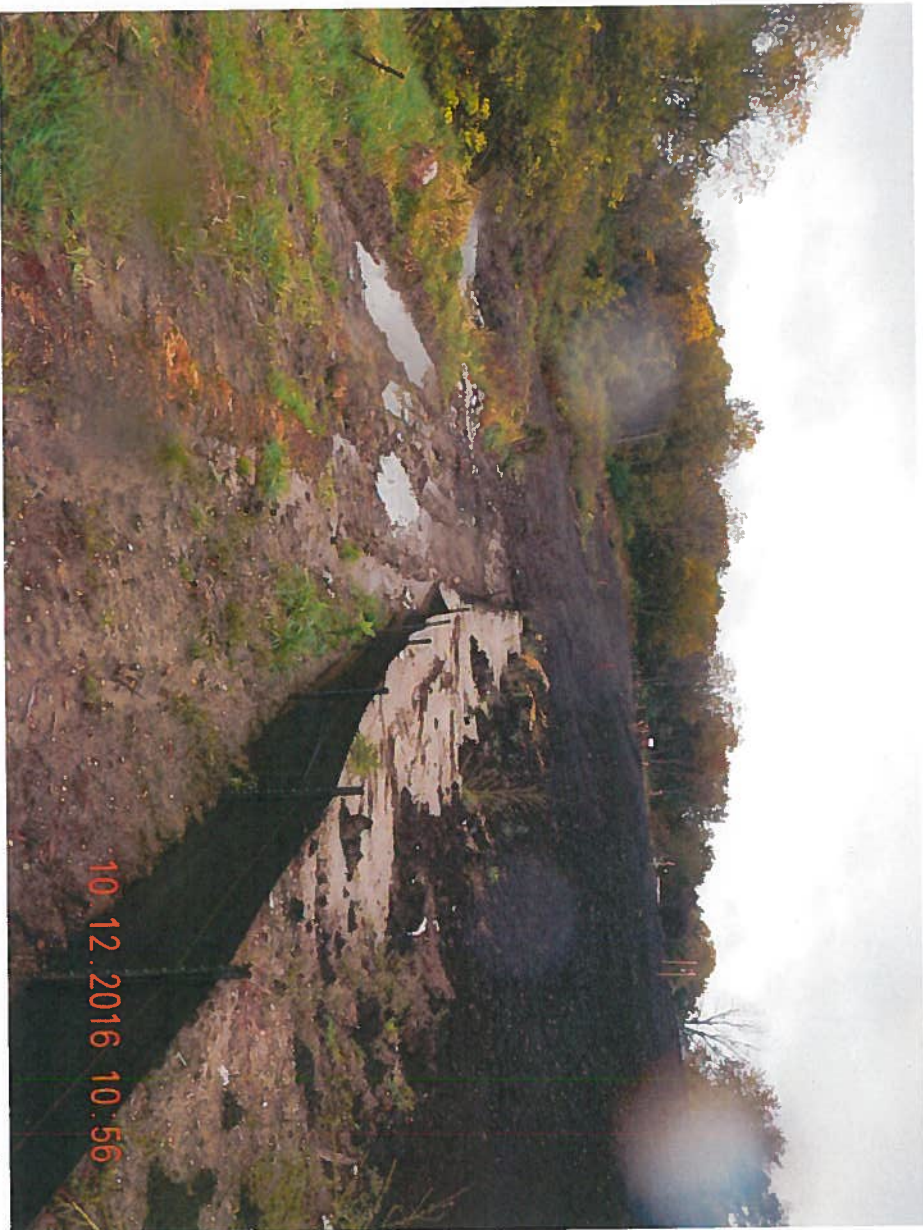
30. View downstream along north bank of tributary (W).



31. Rill eroded underneath straw wattles (NW).



32. Erosion rill leading to stream, downslope from previous photo (SE).



33. Silt fence full of sediment, at base of slope below pond (W).



34. Same perspective as previous photo (proceeding east and looking back) (W).



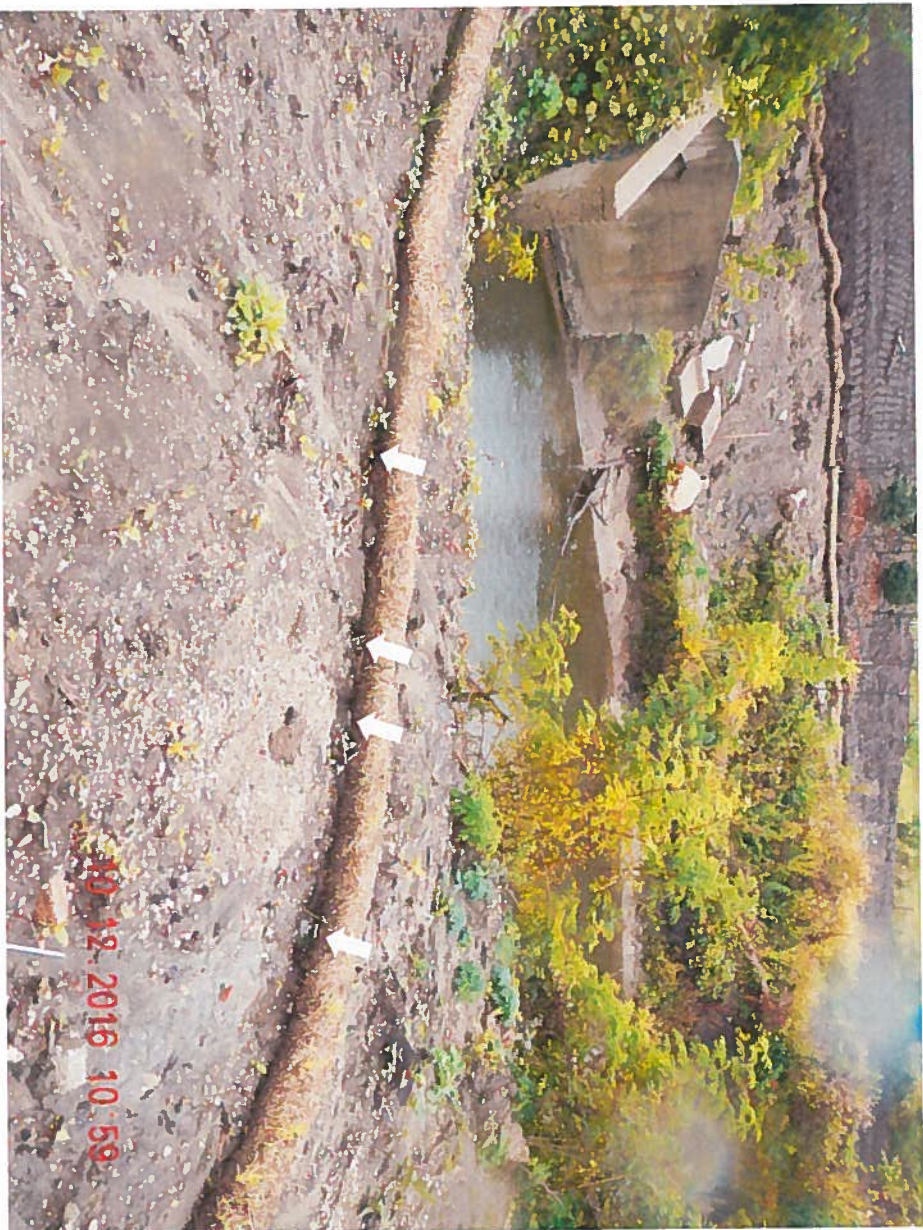
35. Tracks from equipment crossing creek near east end of site (S).



36. Straw wattle on slope near creek culvert under Warrior Rd (SE).



37. Gaps between and underneath straw wattles in previous photo (NE).



38. Gaps under straw wattles near creek culvert (SE).



39. Undermined straw wattle near creek culvert (SW).



40. Warrior Road road ditch (source of flow in previous photos) (N).

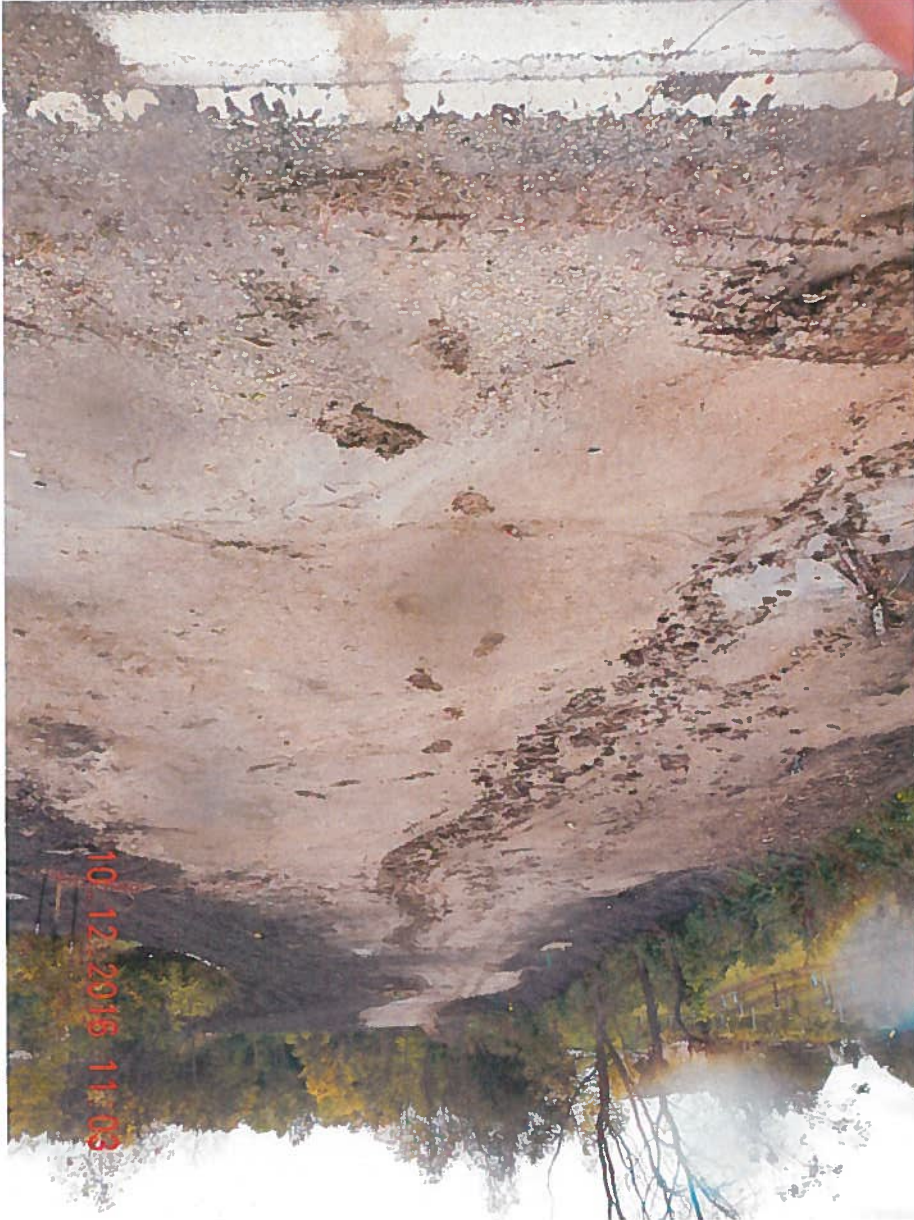
41. View down slope from previous photo (SSW).





42. View of south bank of creek from east edge of site (Warrior Rd.). Topsoil placed on slope above straw wattles several days ago (SW).

43. Access road along S edge of site, from E edge of site (W).





44. Tracks across creek, from south side (cf. #35, 58, 74) (N).



45. Area inlet (above grade), with straw wattles around it (E).



46. Slope drain inlet near south edge of site (E).



47. Slope drain inlet at S edge of site (SW).



48. View to NE from south portion of site. A layer of topsoil was spread several days ago (ENE).



49. Freshly applied topsoil and cut slope at south end of site (SE).



50. Straw wattles at edge of stream buffer on south side of creek (fresh topsoil on slope above) (E).

51. Straw wattles at edge of stream buffer south of creek, with fresh topsoil on slope (W).



52. Second line of straw wattles (concealed by vegetation) at edge of buffer (S).





53. South bank of creek, facing E. New sanitary sewer manhole structure is highlighted. This is the steepest area and has some erosion rills (cf. #59-61). Also shown are straw wattles and fresh topsoil.



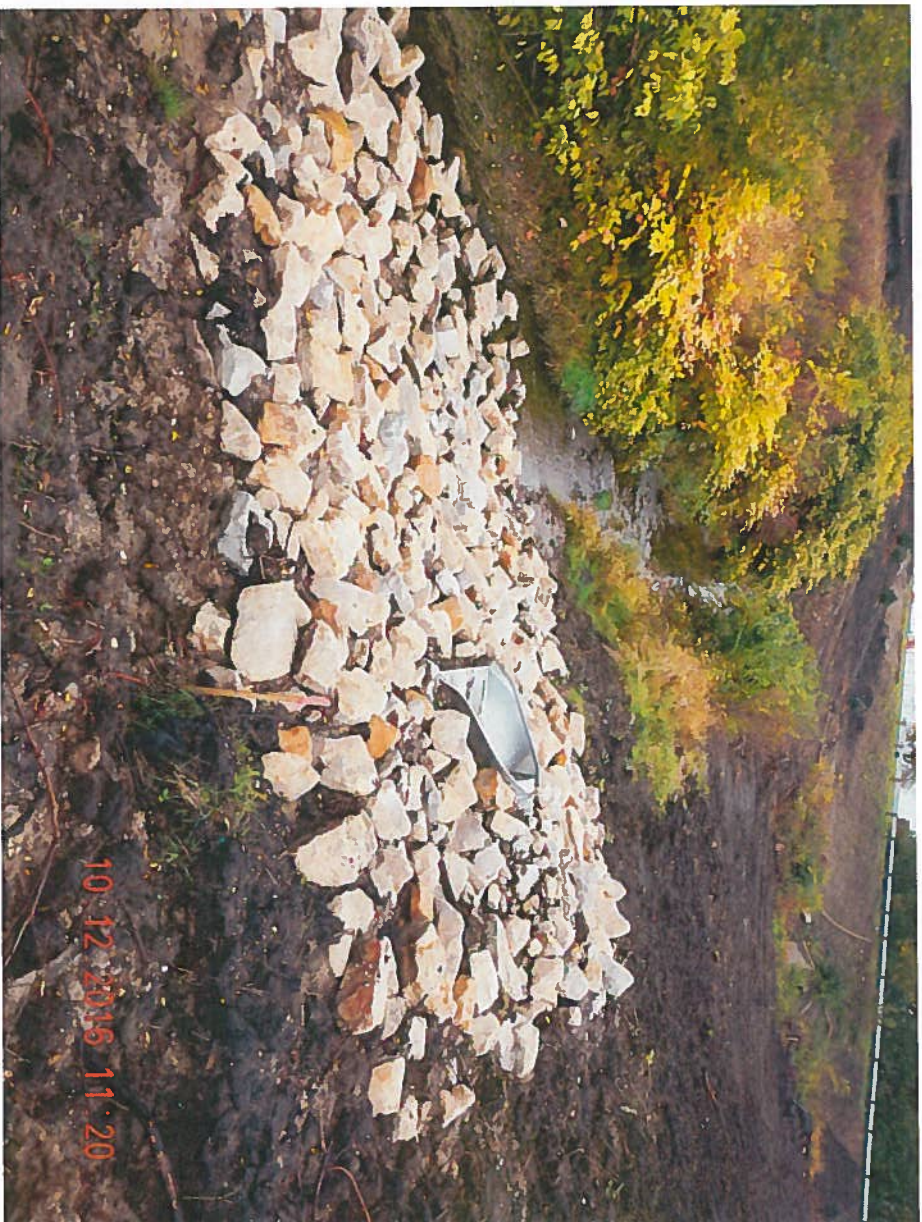
54. Pond discharge outfall (cf. #26-28) (N)



55. Straw wattle above S bank of creek. (Old silt fence buried under topsoil) (WSW).



56. View across creek from south side (NNW).



57. Flared end storm outfall on south bank (ENE).



58. Apparent stream crossing near east end of site (cf. # 35, 44, 74) (SSW).



59. Steepest part of south bank, with visible erosion (S).



60. Sewer manhole at steep bank, with erosion (SE).



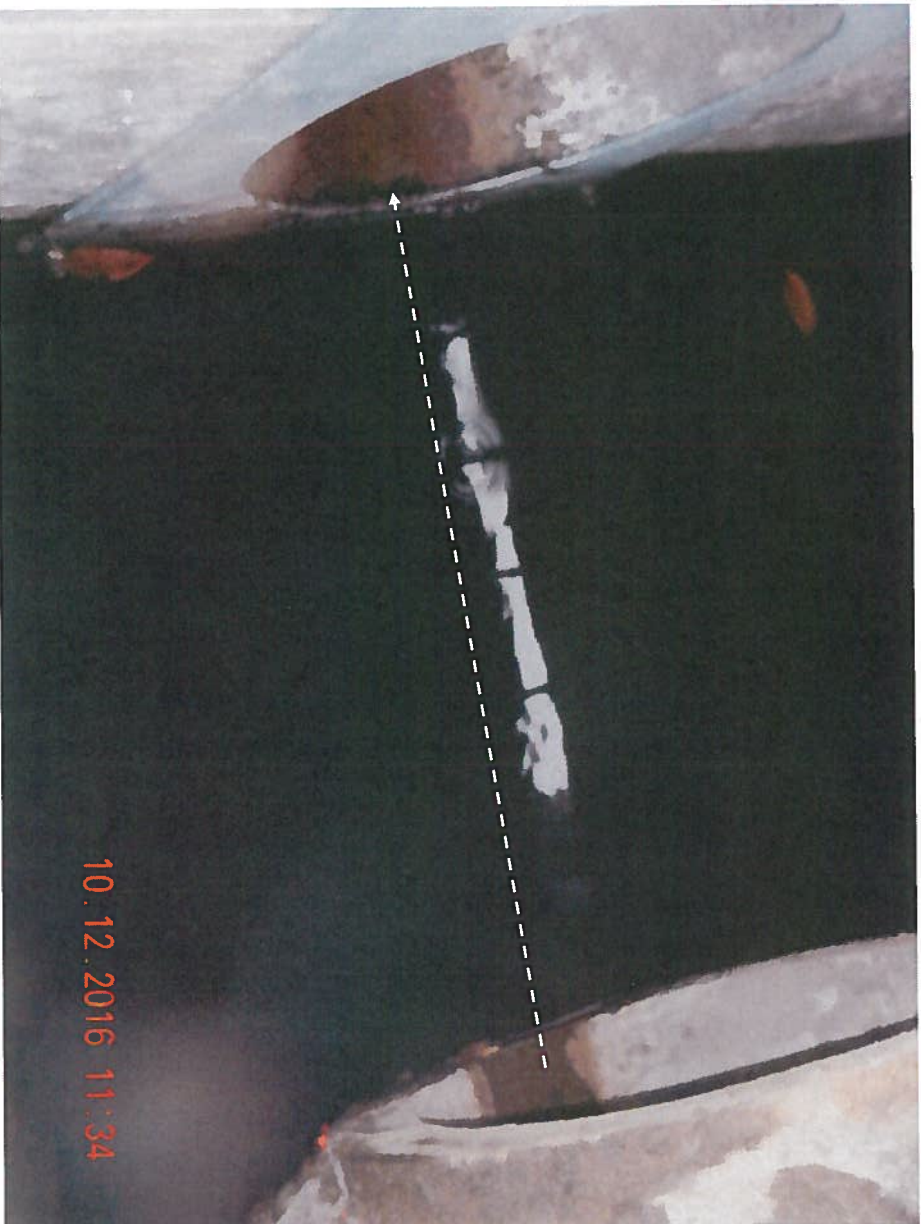
61. Composite of previous two photos (SE & S).



62. Twin curb inlets on street south of pond (S).



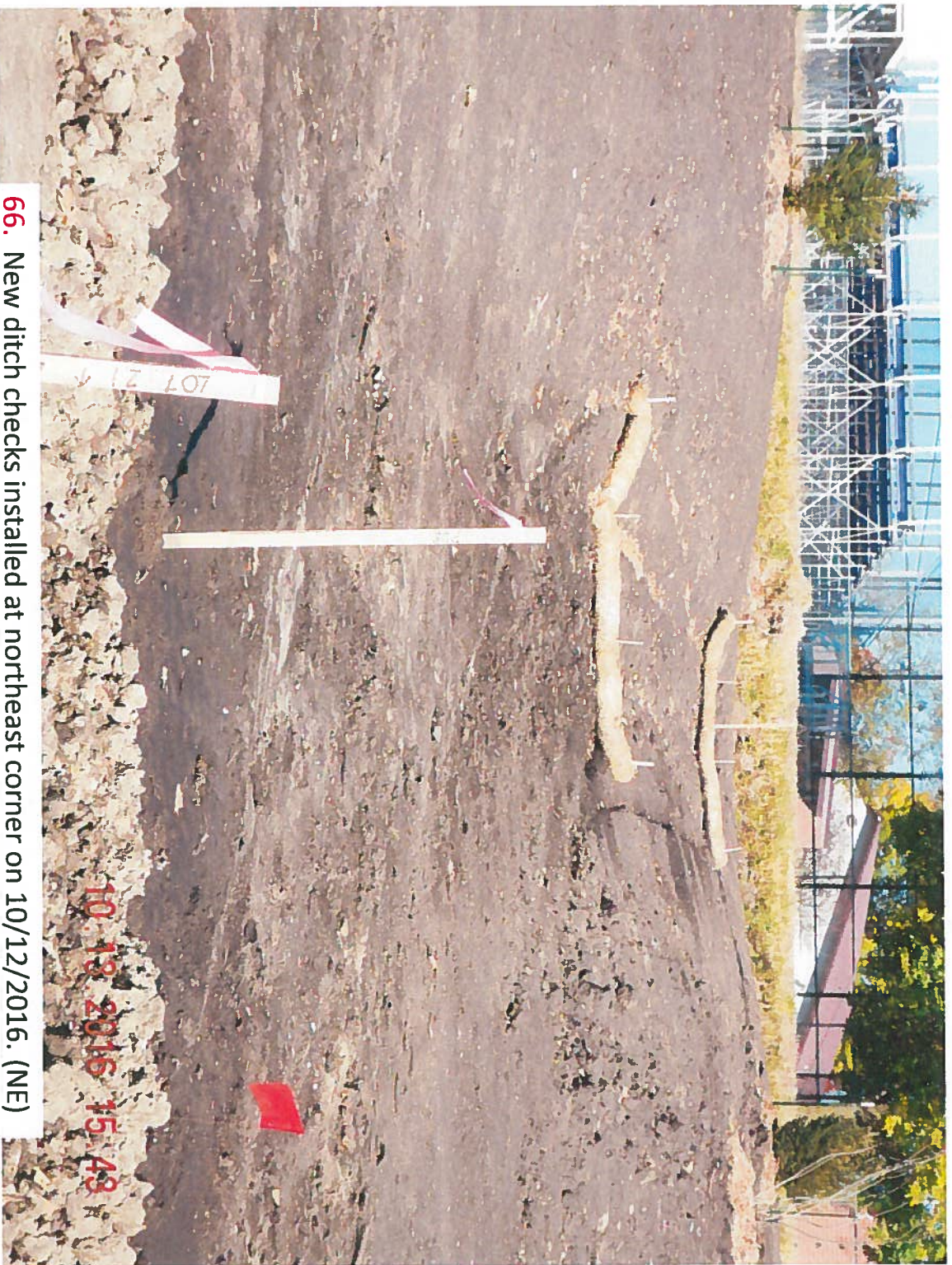
63. Outlet structure on south edge of pond (NW).



64. Inside of outlet structure, showing direction of flow from inlet to weir.

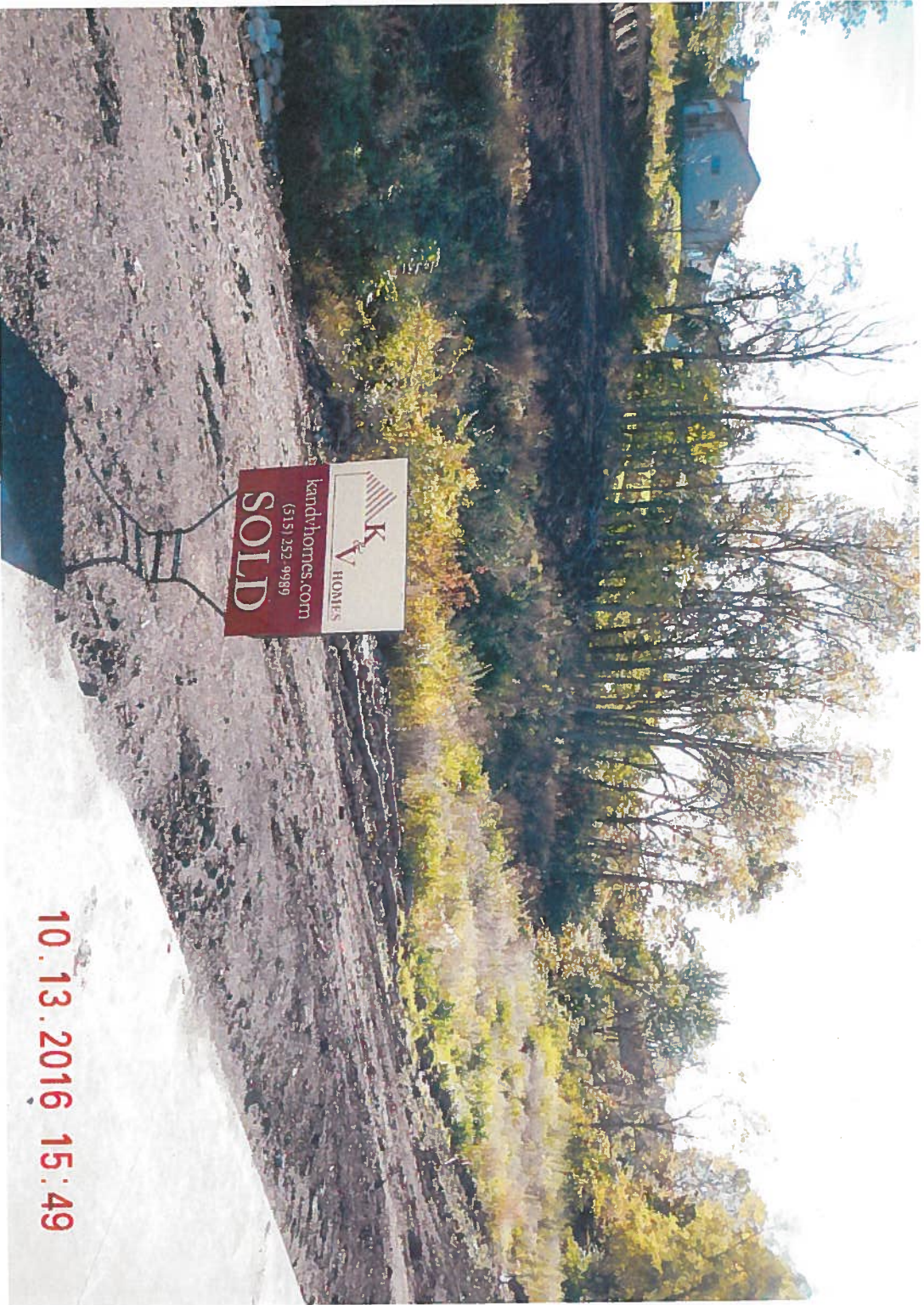


65. Inside of outlet structure, showing downstream side of weir





67. Sediment removed from pond on 10/12-13/2016, drying prior to spreading on lots (NW).



68. Newly sold lot (Lot 5) just north of creek (SW).



69. View of steep south bank of stream in vicinity of new sanitary sewer manhole (c.f. #60)(SE).



70. View west along creek bank, showing pond outfall and topsoil recently spread on site (WNW).



10 13 2016 15:46

71. Sediment removed from pond, drying on bank, awaiting spreading on lots (NW).



10.14.2016 09:50

72. Sediment removed from pond, drying on bank, awaiting spreading on lots (SE).

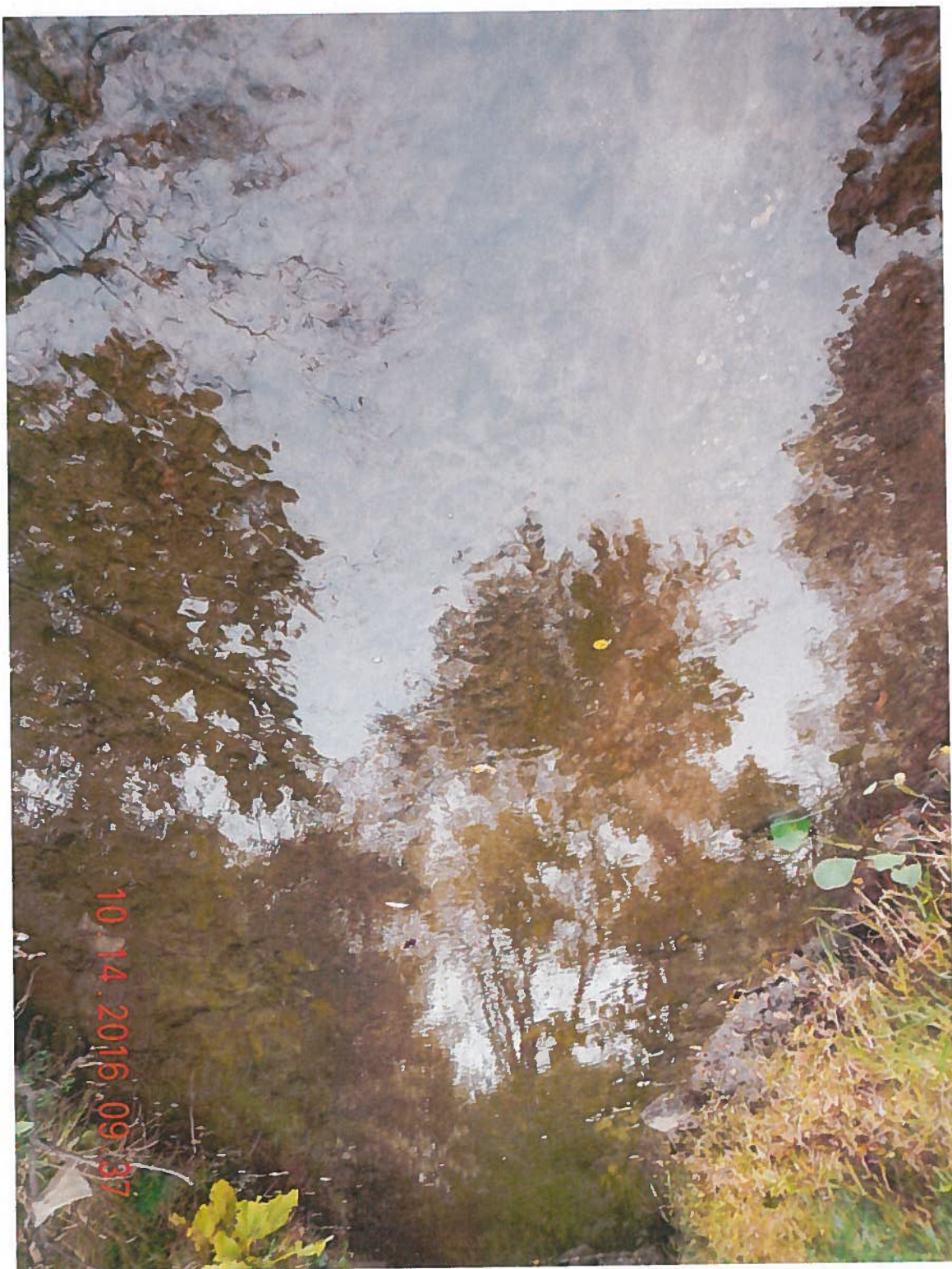


73. Straw wattle on north side of creek near east end of site, with culvert under Warrior Ln. (c.f. #37-39)(S)



74. Creek bed, at point where tracks indicate equipment crossed stream

75. Creek bed just upstream of previous photo.



10.14.2016.09:37



76. Tributary approx. 25 yards upstream of site (east of Warrior Lane).



10.14.2016 09:27

77. Tributary approx. 50 yards upstream of site (east of Warrior Lane).



78. Tributary upstream of site, with box culvert under Warrior Lane (W.).

ATTACHMENT 4
Photo Log; Brandon's Reserve Storm Water Inspection

(Camera: Nikon Coolpix 100 8 MP) **Key nos. in red are shown on locational map.**

<u>File No.</u>	<u>Key #</u>	<u>Description (& Orientation)</u>
<u>October 12, 2016:</u>		
DSCN 1940	2.	Sign at entrance off Warrior Drive (N).
1941	3.	View toward creek, from entrance drive (SSW).
1942	4.	Creek on south end of project, from top of Warrior Lane box culvert (WNW).
1943	5.	Typical curb drain inlet, with porta-potty, near entrance (W).
1944	6.	Close-up of curb inlet in previous photo.
1945	7.	Curb inlet with grating removed to show filter insert.
1946	8.	View along interior drive, showing fronts of lots 23, 22, 21 (NNW).
1947	9.	Another curb inlet with filter insert, on north side of street (N).
1948	10.	Paired inlets on south side of street, north of pond (S).
1949	11.	Area inlet near north end of site (~Lots 18/19), with mulch wattle (NW).
1950	12.	Flowing water in area inlet (flowing from north side).
1951	13.	Area inlet near north edge of property (NNE).
1952	14.	Storm water discharge from Waukee Library grounds north of site (N).
1953	15.	Equipment on site removing sediment from pond (S).
1954	16.	Excavation on west side of pond for building foundation on Lot 13 (ESE).
1955	17.	View of pond from Lot 13 or 14 (E).
1956	18.	West perimeter of property (draining toward interior of property & pond) (W).
1957	19.	Sediment controls above creek near SW corner of property (silt fences & straw wattles) (NW).
1958	20.	Gap between ends of straw wattles, with erosion rill (NNE).
1959	21.	View upgradient from vegetated buffer along creek, with multiple silt fences (N).
1960	22.	Straw wattle below silt fences (W).
1961	23.	View across creek near southwest corner of site (SE).
1962	24.	Stream buffer near southwest corner of site (WNW).
1963	25.	Straw wattles at edge of stream buffer (E).
1964	26.	Flared end structure with rip rap at discharge from pond to creek (ESE).
1965	27.	Discharge from pond to creek (WSW).
1966	28.	View downstream from outfall (SW).
1967	29.	Gap between straw wattles above creek (SSE).
1968	30.	View downstream along north bank of tributary (W).
1969	31.	Rill eroded underneath straw wattles (NW).
1970	32.	Erosion rill leading to stream, downslope from previous photo (SE).
1971	33.	Silt fence full of sediment, at base of slope below pond (W).
1972	34.	Same perspective as previous photo (proceeding east and looking back) (W).
1973	35.	Tracks from equipment crossing creek near east end of site (S).
1974	36.	Straw wattle on slope near creek culvert under Warrior Rd (SE).
1975	37.	Gaps between and underneath straw wattles in previous photo (NE).
1976	38.	Gaps under straw wattles near creek culvert (SE).
1977	39.	Undermined straw wattle near creek culvert (SW).
1978	40.	Warrior Lane road ditch (source of flow in previous photos) (N).
1979	41.	View down slope from previous photo (SSW).

- 1980 42. View of south bank of creek from east edge of site (Warrior Ln.). Topsoil placed on slope above straw wattles several days ago (SW).
- 1981 43. Access road along S edge of site, from E edge of site (W).
- 1982 44. Tracks across creek, from south side (cf. #35, 58) (N).
- 1983 45. Area inlet (above grade), with straw wattles around it (E).
- 1984 46. Slope drain inlet near south edge of site (E).
- 1985 47. Slope drain inlet at S edge of site (SW).
- 1986 48. View to NE from south portion of site. A layer of topsoil was spread several days ago (ENE).
- 1987 49. Freshly applied topsoil and cut at south end of site (SE).
- 1988 50. Straw wattles at edge of stream buffer on south side of creek (fresh topsoil on slope above) (E).
- 1989 51. Straw wattles at edge of stream buffer south of creek, w. fresh topsoil on slope (W).
- 1990 52. Second line of straw wattles (concealed by vegetation) at edge of buffer (S).
- 1991 53. South bank of creek, facing E. New sanitary sewer manhole structure is highlighted. This is the steepest area and has some erosion rills (cf. #59-61). Also shown are straw wattles and fresh topsoil.
- 1992 54. Pond discharge outfall (cf. #26-28) (N).
- 1993 55. Straw wattle above S bank of creek. (Old silt fence buried under topsoil) (WSW).
- 1994 56. View across creek from south side (NNW).
- 1995 57. Flared end storm outfall on south bank (ENE).
- 1996 58. Apparent stream crossing near east end of site (cf. # 35, 44) (SSW).
- 1997 59. Steepest part of south bank, with visible erosion (S).
- 1998 60. Sewer manhole at steep bank, with erosion (SE).
- 61. Composite of previous two photos (SE & S).
- 1999 62. Twin curb inlets on street south of pond (S).
- 2000 63. Outlet structure on south edge of pond (NW).
- 2001 64. Inside of outlet structure, showing direction of flow from inlet to weir.
- 2002 65. Inside of outlet structure, showing downstream side of weir.

October 14, 2016:

- 2023 66. New ditch checks installed at northeast corner on 10/12/2016 (NE).
- 2028 67. Sediment removed from pond, drying prior to spreading on lots (NW).
- 2027 68. Newly sold lot (Lot 3 or 4) just north of creek (SW).
- 2026 70. View along creek bank, showing pond outfall & topsoil recently spread (WNW).
- 2025 71. Sediment removed from pond, drying on bank, awaiting spreading on lots (NW).
- 2035 72. Sediment removed from pond, drying on bank, awaiting spreading on lots (SE).
- 2034 73. Straw wattle on N side of creek nr. east end of site, w. culvert under Warrior Ln. (S).
- 2033 74. Creek bed, at point where tracks indicate equipment crossed stream.
- 2032 75. Creek bed just upstream of previous photo.
- 2031 76. Tributary approx. 25 yards upstream of site (east of Warrior Lane).
- 2030 77. Tributary approx. 50 yards upstream of site (east of Warrior Lane).
- 2029 78. Tributary upstream of site, with box culvert under Warrior Lane (W.).

PRELIMINARY- NOT FOR CONSTRUCTION

STORM WATER POLLUTION PREVENTION PLAN

PROPERTY DESCRIPTION:
(WARRANTY DEED BOOK 2015, PAGE 16065)
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE AND THE IOWA LAND
RECORDS WEB PAGE.

BEGINNING AT A POINT BEING 454.7 FEET 0" 00" OF THE
SOUTHEAST CORNER OF SECTION 33, THENCE S 88° 59' W
964.2 FEET, THENCE N 0° 06' E 318.0 FEET, THENCE N 65°
19' E 363.6 FEET, THENCE N 0° 06' E 400.0 FEET, THENCE N
88° 59' E 638.7 FEET, THENCE S 0° 00' W ALONG THE EAST
LINE OF THE SE 1/4 OF SECTION 33 AND ALONG THE
CENTERLINE OF EAST ROAD 878.0 FEET TO THE POINT OF
BEGINNING, ALL OF SAID PARCEL BEING IN THE SE 1/4 OF
SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF
THE 5TH P.M., DALLAS COUNTY, IOWA, AND BEING IN AND
FORMING A PART OF THE TOWN OF WAUKEE, DALLAS
COUNTY, IOWA, SUBJECT TO AN EASEMENT FOR PUBLIC
HIGHWAY ON THE EAST 33.0 FEET THEREOF, AND EXCEPT
THE FOLLOWING DESCRIBED REAL ESTATE, BEGINNING
AT A POINT 454.7 FEET NORTH 0° 06' AND 527.2 FEET
SOUTH 88° 59' WEST OF THE SOUTHEAST CORNER OF
SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF
THE 5TH P.M., CITY OF WAUKEE, DALLAS COUNTY, IOWA,
THENCE SOUTH 88° 59' WEST 341.0 FEET, THENCE NORTH 0°
06' EAST 318.0 FEET, THENCE NORTH 65° 19' EAST 96.4
FEET, THENCE SOUTH 47° 55' EAST 322.52 FEET, THENCE
SOUTH 15° 15' EAST 126.49 FEET TO THE POINT OF
BEGINNING, ALL OF SAID DESCRIBED PARCEL BEING IN
THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER
(SE 1/4 SE 1/4) OF SECTION 33, TOWNSHIP 79 NORTH,
RANGE 26 WEST OF THE 5TH P.M. IN THE CITY OF
WAUKEE, DALLAS COUNTY, IOWA, AND SAID PARCEL
CONTAINS APPROXIMATELY 1.94 ACRES.

ADDRESS:
1010 WARRIOR LANE
WAUKEE, IOWA
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

OWNER:
M & R HOLDINGS, LLC
15692 WILSON DR
URBANDALE, IOWA 50323
515-386-8390
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

SITE AREA:
13.75

EROSION CONTROL NOTES:

- SEE SUPPLEMENTAL DETAIL STORM WATER POLLUTION PLAN
NARRATIVE FOR ALL EROSION CONTROL MEASURES. ADDITIONAL
DETAILS AND NOTE. ADDITIONAL NOTES AND MEASURES IN
NARRATIVE SHALL BE CONSIDERED INCIDENTAL AND SHALL BE
INCLUDED IN THE ORIGINAL BID.
- SWPPP PLAN AND NARRATIVE ARE CONSIDERED A LIVING
DOCUMENT AND WILL NEED PERIODIC UPDATES AND ADJUSTMENTS
AS NECESSARY DEPENDING ON SITE CONDITIONS TO ASSURE
COMPLIANCE WITH NPDES GENERAL PERMIT NO. 2. IT IS THE
CONTRACTOR'S RESPONSIBILITY TO UPDATE THE SWPPP AND
IMPLEMENT ANY AND ALL MEASURES NECESSARY TO COMPLY WITH
SAID PERMIT NO. 2.
- INSTALL PERIMETER SILT FENCE AS SHOWN ON PLANS PRIOR TO
CONSTRUCTION.
- INSTALL INTAKE PROTECTION WITH SILT FENCE IMMEDIATELY
AFTER STORM SEWER CONSTRUCTION.
- INSTALL FINISHED PAVING INLET PROTECTION IMMEDIATELY AFTER
PAVING IS COMPLETED AROUND INTAKE.
- OTHER EROSION CONTROL TYPES MAY NOT BE SUBSTITUTED FOR
SILT FENCE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A
CONCRETE WASHOUT IN ACCORDANCE WITH NPDES GENERAL
PERMIT NO. 2 DURING ALL CONCRETE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING
TEMPORARY RESTROOM FACILITIES. SANITARY WASTE SHALL BE
DISPOSED OF PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL
REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.

EROSION CONTROL REMOVAL NOTES:

- AFTER FINAL STABILIZATION HAS OCCURRED, AS DEFINED IN NPDES
GENERAL PERMIT NO. 2, CONTRACTOR SHALL BE RESPONSIBLE
FOR THE REMOVAL OF ALL TEMPORARY EROSION CONTROL
DEVICES INCLUDING, BUT NOT LIMITED TO: SILT FENCE, INLET
PROTECTION, AND TEMPORARY STANDPIPES.

LEGEND:

- SF SF SF SILT FENCE (TYP)
- 120 EXISTING CONTOUR
- 120 PROPOSED CONTOUR
- STABILIZED ENTRANCE 24X59'-4"
DEEP 1' CLEAN CRUSHED ROCK
DRIVE ON GEOTEXTILE

DISTURBED AREA = 10.2 ACRES



UTILITY NOTE:
THE LOCATION OF THE UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM
EXISTING PUBLIC RECORDS AND ARE APPROXIMATE LOCATIONS. THE EXACT
LOCATIONS OF ALL UTILITIES MUST BE ASCERTAINED IN THE FIELD. IT SHALL BE
THE DUTY OF THE CONTRACTOR TO DETERMINE WHETHER ANY ADDITIONAL
FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.

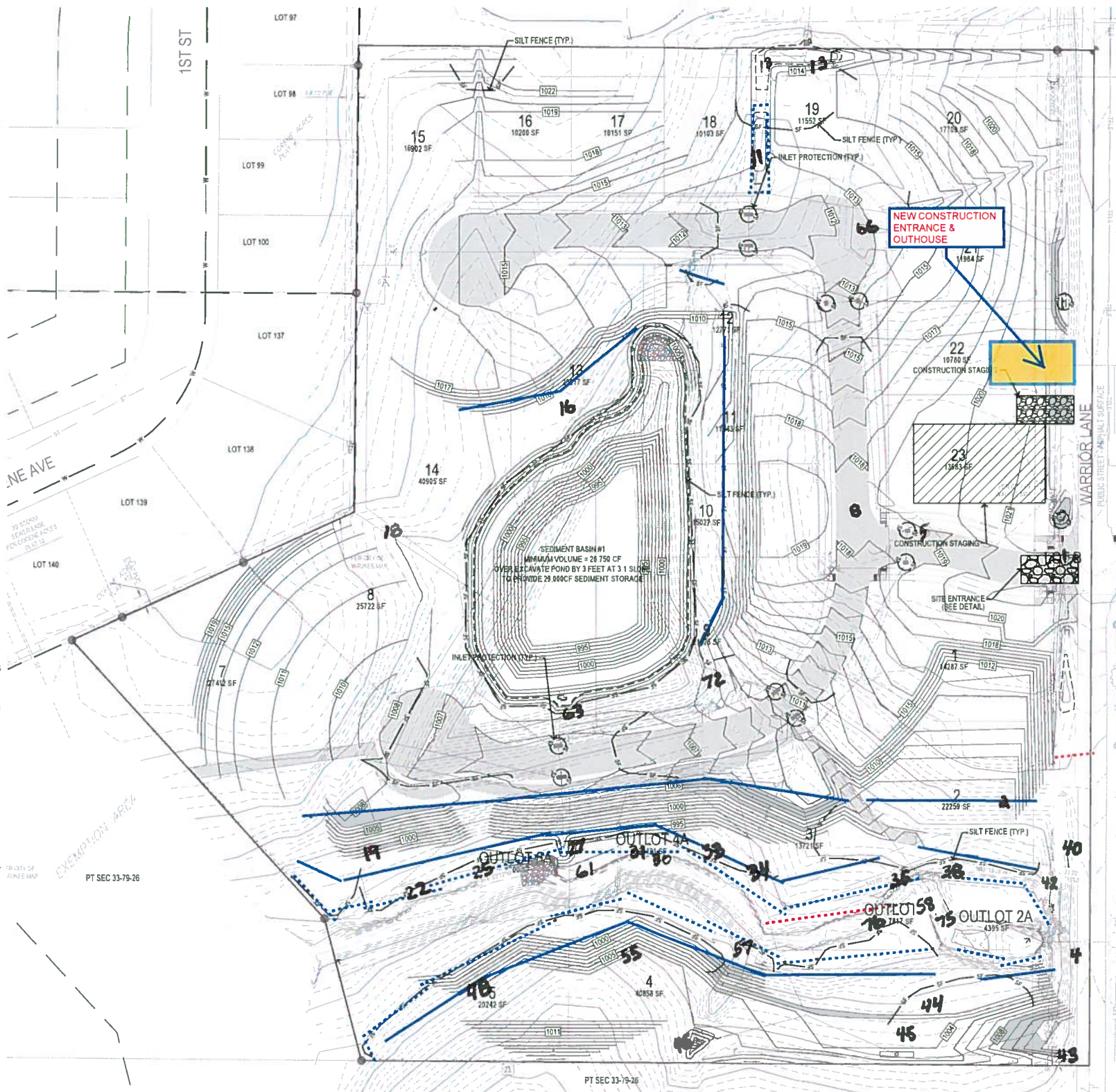
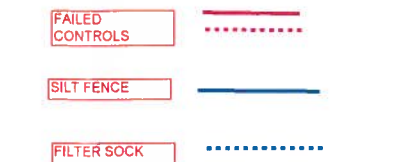
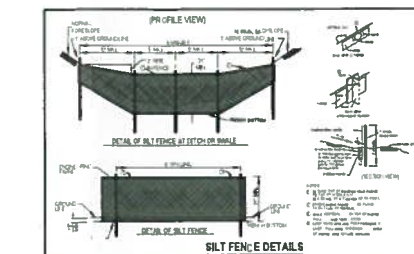
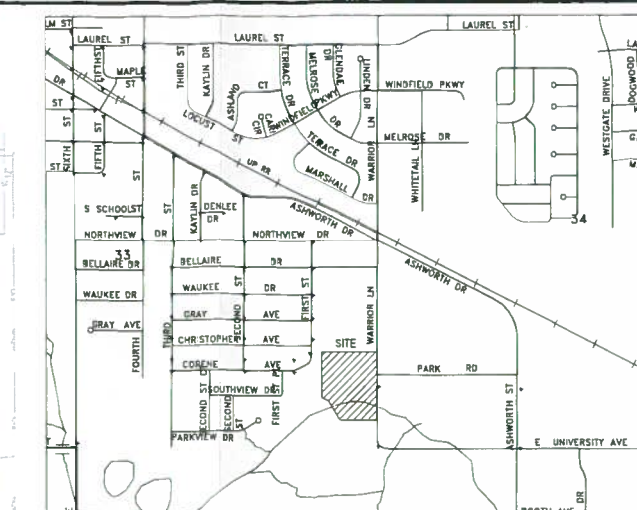


PHOTO LOCATION KEY



LEGEND:

- 120 EXISTING CONTOUR
- 120 PROPOSED CONTOUR
- SF SILT FENCE
- SAN SANITARY SEWER
- ST STORM SEWER
- W WATER LINE
- G GAS LINE
- UE UNDERGROUND ELECTRIC
- O/E OVERHEAD ELECTRIC
- TELE TELEPHONE LINE
- FO FIBER OPTIC
- CATV CABLE TV
- STORM MANHOLE
- CURB INTAKE
- SURFACE INTAKE
- FLARED END SECTION
- SANITARY MANHOLE
- CLEANOUT
- FIRE HYDRANT
- SPRINKLER
- IRRIGATION CONTROL VALVE
- WATER MANHOLE
- WELL
- WATER VALVE
- WATER SHUT OFF
- YARD HYDRANT
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC RISER
- ELECTRIC VAULT
- POWER POLE
- LIGHT POLE
- ELECTRIC JUNCTION BOX
- ELECTRIC PANEL
- TRANSFORMER
- GROUND LIGHT
- GUY WIRE
- ELECTRIC HANDHOLE
- GAS METER
- GAS VALVE
- AIR CONDITIONING UNIT
- TELEPHONE RISER
- TELEPHONE VAULT
- TELEPHONE MANHOLE
- TRAFFIC SIGNAL MANHOLE
- FIBER OPTIC RISER
- FIBER OPTIC VAULT
- CABLE TV RISER
- SIGN

Bishop Engineering
"Planning Your Successful Development"

3501 104th Street
Des Moines, Iowa 50322-3825
Phone: (515) 276-0467 Fax: (515) 276-0217
Civil Engineering & Land Surveying
Established 1959

BRANDON'S RESERVE
1010 WARRIOR LANE, WAUKEE IA

SWPPP

REFERENCE NUMBER:

DRAWN BY:
EAV

CHECKED BY:
DBB

REVISION DATE:
2-19-16 1ST SUBMITAL
3-14-16 2ND SUBMITAL

PROJECT NUMBER:

150351

SHEET NUMBER:

C7.1

Notice of Potential National Pollutant Discharge Elimination System (NPDES) PERMIT VIOLATIONS

Permittee (facility) Name and Address:

M & R Holdings, LLC 15602 Wilden Dr. Urbandale, IA 50323
 Site: Brandon's Reserve 1010 Warrior Lane, Waukee, IA 50263

NPDES Permit Number:

Iowa General Permit #2, Auth. # 28073-27824

During the Clean Water Act § 308 compliance inspection conducted on October 12, 2016
 the potential NPDES permit violations noted below were found. Additional violations may be brought to
 your attention following a complete review of the inspection report and other available information.

POTENTIAL NPDES PERMIT VIOLATIONS

1. Permittee failed to install or maintain adequate sediment and erosion controls on site. Specifically:
 - A.) To allow access to the area south of the creek, EITHER an approved temporary stream crossing OR a stabilized construction entrance off Warrior Lane should be in place.
 - B.) Erosion controls (straw wattles) on slope west of Warrior Lane and north of creek are undermined and in need of maintenance.
 - C.) Stream bank on south side of creek near sanitary sewer manhole should be stabilized.
2. Inadequate site inspections AND/OR follow-up maintenance: For example
 - A.) The need for a stabilized construction entrance was documented on 3/18/2016. The measure was not implemented until 6/17/2016. The permit requires corrective actions to be completed within 7 days, if feasible (e.g. weather permitting). The reason for delays should be documented (e.g. rainfall dates + amounts).
 - B.) The same "Action Items" were duplicated in 10 consecutive reports (6/17/2016 through 9/2/2016) with no changes.
 - C.) 12 or more days elapsed between inspections on seven occasions. The permit requires site inspections every 7 days (Document delays).

REQUESTED ACTION: Within ten (10) days, please describe in writing any actions taken, or planned, to correct the potential violations identified above. Your response will be considered in the determination of the need for further administrative or legal action. Mail your description of corrective actions to your inspector at:

U.S. Environmental Protection Agency
 ENSV/EFCB
 901 North 5th Street
 Kansas City, Kansas 66101-2907

Inspector's printed name:

Peter M Green

Inspector's signature:

Peter M Green

Notice received by:
 (name & title)

Delivered to address above.

Date:

10/13/2016

Stream Characteristics and Water Nexus
NPDES Inspections

April 10, 2007

Stream at Discharge from Site

Location: Brandon's Reserve

GPS

Latitude: 41.60279

Longitude: -93.87322

Channel Width (1): 5-12'

Bank Depth (2): 5-12'

Substrate Type (3): a-b

Avg. Water Depth: 6-12"

Visible Flow? ☒ Yes ☐ No

Sediment from site? ☒ Yes ☐ No *minor*

Dimensions (5): 0-6" depth at Xing

Site Characteristics

Bank vegetative Cover (4): 100 %

Type of cover:

☐ Grass ☒ Weeds ☒ Woods

Photographs: _____

Culvert Size: 6'

Footnotes and additional notes are on
the second page.

Stream at Downstream of discharge

Location: _____

GPS

Latitude: _____

Longitude: _____

Channel Width (1): _____

Bank Depth (2): _____

Substrate Type (3): _____

Avg. Water Depth: _____

Visible Flow? ☐ Yes ☐ No

Sediment from site? ☐ Yes ☐ No

Dimensions(5): _____

Site Characteristics

Bank vegetative Cover (4): _____ %

Type of cover:

☐ Grass ☐ Weeds ☐ Woods

Photographs: _____

Culvert Size: _____

Nexus: perennial stream

Location: _____

GPS

Latitude: _____

Longitude: _____

Channel Width (1): _____

Bank Depth (2): _____

Substrate Type (3): _____

Avg. Water Depth: _____

Visible Flow? ☐ Yes ☐ No

Sediment from site? ☐ Yes ☐ No

Dimensions(5): _____

Site Characteristics

Bank vegetative Cover (4): _____ %

Type of cover:

☐ Grass ☐ Weeds ☐ Woods

Photographs: _____

Culvert Size: _____

Distance to site: _____

- (1) Model input of Channel Width: Distance from the top of one bank to the top of the other bank.
- (2) Model input of bank depth: Distance from top of bank to bottom of stream.
- (3) Model input of Substrate type:
 - a. **Fine silt/sand:** gritty, no rocks
 - b. **Gravel:** lady bug-sized to marble-sized rocks
 - c. **Coarse Gravel:** Marble-sized to Tennis ball
 - d. **Cobble:** Tennis ball to basketball
 - e. **Boulder:** Larger than basketball
- (4) Model input of Vegetative Cover in percent coverage of the upper banks, check the appropriate type listed.
- (5) Estimate of sediment in the stream or off-site. Measurements in three dimensions would be best.

Additional Site Notes: I observed up to ~6" sediment just below the box culvert under Warrior Lane where the creek enters the site. There were erosion rills in the ^{steep} slope on the north side of the creek just above this area which appeared to convey drainage from the ^{shallow} western road ditch along Warrior Lane. There were also heavy equipment tracks leading across the creek just downstream of the observed sediment deposits.

ATTACHMENT

NPDES Industrial Storm Water Worksheet (Construction)

National Database Information		General	
NPDES ID Number	IA GP#2 (Auth 28073-27824)	Inspector Name	Pete Green
Permit iss/exp dates	12/01/15 - 11/25/18	Telephone	913-551-7343
Inspection Date	10/12/16	Entry Time	09:25 10/12/2016
Weather Conditions? Recent Rainfall? Date? Amount?	Light rain, 45°F 10/10/2016 0.9"	Exit Time	10:00 10/14/2016
Facility Type (circle one)	Commercial/ <u>Residential</u> Municipal	Signature	<i>Pete Green</i>

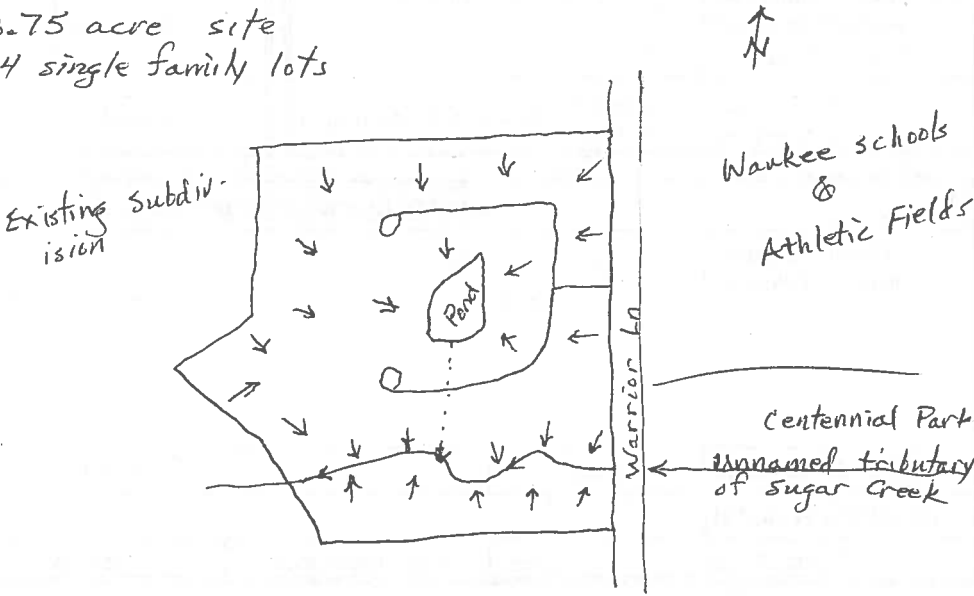
Facility Location Information				
Name/Location Mailing Address	Brandon's Reserve Subdivision 1010 Warrior Lane Waukegan, IA 50263			
GPS Coordinates	Latitude		Longitude	
Receiving Water(s)				
Total Area	acres	Disturbed area	acres	Start Date

Contact Information		
	Name(s)	Telephone
Name(s) and Role(s) of All Parties Meeting the Definition of Operator	M & R Holdings, LLC	515-306-8090
Facility Contact	Dave Walters, owner	" " "
Authorized Official(s)	Dave Walters	

Site Information: (circle all that apply)							
Nature of Project	<u>Residential</u>	Commercial/Industrial	Roadway	<u>Private</u>	Federal	State/Municipal	Other
Construction Stage	Clearing/Grubbing	Rough Grading	Infrastructure	<u>Building Const.</u>	<u>Final Grading</u>	Final Stabilization	

Basic Permit Information			Basic SWPPP Information		
1. Permit Coverage ESO Element 3 & 4	<u>Y</u>	N	6. SWPPP prepared & available ESO Element 5 & 30	<u>Y</u>	N
2. Permit Type	<u>General</u>	Individual	7. SWPPP Contents Satisfactory ESO Elements 5 - 31	Y	N
3. Permit, NOI accessible? ESO Element 25	<u>Y</u>	N	8. SWPPP Implementation Satisfactory ESO Elements 32 - 46	Y	N
4. Is entire site owned by one developer/owner? How many owners? Give lot nos. if possible ESO Element 41	3 of 24 Lots are sold		9. SWPPP Date	01/22/2016	
5. NOI Date	11/18/2015				

NPDES Industrial Storm Water Worksheet (Construction)

SWPPP Implementation (complete in field)	
General	
10. Site Description Grading, sanitary sewer storm sewer water utilities completed, Landscaping	(include description of areas exposed to rainfall/runoff, drainage patterns & direction of flow) 13.75 acre site 24 single family lots 
Stabilization Practices	
11. List stabilization practices ESO Element 43	(e.g., seeding, mulching, geotextiles, sod stabilization) Top soil was spread throughout site in preparation for hydroseeding.
12. Describe stabilization practices ESO Elements 42, 43	(e.g., properly designed, selected, installed, maintained?) Not yet implemented. South bank of tributary is steep and prone to erosion where sanitary sewer crossing was installed.

NPDES Industrial Storm Water Worksheet (Construction)

13. Are stabilization measures initiated no more than 14 days after temporary or permanent construction cessation? <small>(MO: 7 days for 3:1 slopes or 3% > 150 ft long) (ESO Element 46)</small>	<small>(e.g., indicate "yes" or "no"; if "yes", how long without stabilization measures?)</small> <i>It appears that topsoil was spread beginning in late August. 6-7 weeks later, seeding/mulching had not yet commenced.</i>
Structural Practices	
14. List structural controls <small>ESO Element 43</small>	<small>(e.g., silt fences, hay bales, storm drain inlet protection, sedimentation pond, rip rap, check dam, diversion structure, slope drain, drainage swale.)</small> <i>Straw wattles along creek banks and on slope north of stream culvert under Warrior Ln. Some silt fence still on slopes above creek banks but most removed to spread topsoil. Area inlets have straw wattle barriers around them. Curb inlets have below grade fabric filters (Flex Storm) Primary BMP = retention/sedimentation pond.</i>
15. Describe structural controls <small>ESO Elements 42, 43</small>	<small>(e.g., properly designed, selected, installed, maintained?) (Size of sediment basin? Disturbed acres drained?)</small> <i>Straw wattles undermined in 5 or six places. Silt fence overtopped at one location.</i>
Non-Structural Controls	
16. Good Housekeeping & Waste Disposal Practices <small>ESO Element 45</small>	<small>(e.g., describe measures taken to prevent litter and debris from becoming a pollutant source)</small> <i>Minor litter observed in stream buffer area.</i>

NPDES Industrial Storm Water Worksheet (Construction)

17. Street Cleaning <small>ESO Element 44</small>	<small>(e.g., describe measures taken to remove offsite accumulation of sediment)</small> <i>Evidence that street had been swept in inspection photos.</i>
18. Equipment Wash/Maintenance Area <small>ESO Elements 42, 43</small>	<small>(e.g., properly designed, selected, installed and maintained?)</small>
19. Concrete Washout Areas <small>ESO Elements 42, 43</small>	<small>(e.g., properly designed, selected, installed and maintained?)</small> <i>Washout boxes shown in Sept. 2 inspection report during street installation</i>
Other Controls	
20. Off-site Vehicle Tracking <small>ESO Elements 42, 43</small>	<small>(e.g., properly designed, selected, installed and maintained?)</small> <i>Main entrance is paved. Inspection reports show a long delay between site clearing and installation of stabilized entrance(s).</i>
Miscellaneous	
21. Evidence of Sediment Deposition to Surface Waters <small>*ESO Eligibility - if "yes," site not eligible for ESO</small>	<small>(provide brief description)</small> <i>Negligible</i>

NPDES Industrial Storm Water Worksheet (Construction)

22. If dredge/fill material discharged, does site hold 404 permit? ESO Element 17	(provide brief description of measures to prevent discharges of dredge/fill to waters of the U.S. if applicable) <i>Developer had nationwide 404 permit for alteration of existing pond and wetland, with offsite mitigation. A temporary stream crossing (photo shows ~12" pipe) was in place from April to September, but has been removed.</i>
23. Pollution prevention measures for non-storm water discharges? <small>*ESO Eligibility - If evidence of non-allowable non-storm water discharges, site not eligible for ESO</small>	(provide brief description and determine whether/if non-storm water discharges allowable)
24. Notes: SWPPP Implementation	Empty space for notes

NPDES Industrial Storm Water Worksheet (Construction)

SWPPP Review (can be completed in office)			
<u>General</u>		Notes:	
25. Is there a SWPPP? <i>ESO Element 5</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
26. Is a copy of the SWPPP on site or made available? <i>ESO Element 30</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	obtained from Bishop Engineering
27. SWPPP completed prior to NOI submission? <i>ESO Element 6</i>	Y	<input checked="" type="radio"/> N	
28. Did all "operators" sign/certify the SWPPP? <i>ESO Element 31</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
29. Is SWPPP consistent with state/tribal/local regulations and permits? <i>ESO Element 26; 29</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
<u>Site Description</u>		Notes:	
30. Is there a site description? <i>ESO Element 9</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
31. Nature/sequence of construction activity? <i>ESO Element 9A - 9B</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
32. Total area of site and total area to be disturbed? <i>ESO Element 9C</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
33. Is there a general location map? <i>ESO Element 9D</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
34. Is there a site map? <i>ESO Element 9E</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
35. Drainage patterns/outfalls on site map? <i>ESO Element 9F</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
36. Area of soil disturbance on site map? <i>ESO Element 9F</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
37. Location of major structural controls on site map? <i>ESO Element 9F, 29</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
38. Location of storm water discharges to a surface water on site map? <i>ESO Element 9F</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	
39. Location of materials or equipment storage on site map (on-site or off-site)? <i>ESO Element 9F</i>	<input checked="" type="radio"/> Y	<input type="radio"/> N	

NPDES Industrial Storm Water Worksheet (Construction)

40. Location/description industrial activities? <i>ESO Element 9G</i>	Y	N	N/A
41. Name of Receiving water(s) or MS4 listed? <i>ESO Element 9F</i>	<input checked="" type="radio"/>	N	
42. Copy of permit language? <i>ESO Element 25</i>	<input checked="" type="radio"/>	N	
43. Endangered Species Documentation? <i>ESO Element 23; 23A</i>	Y	N	
44. Historic Properties Documentation? <i>ESO Element 24; 24A</i>	Y	N	
Controls to Reduce Pollutants	Notes:		
45. Does the SWPPP describe the sequence of major grading activities, temporary/permanent construction cessation, and initiation of stabilization practices? <i>ESO Element 14</i>	<input checked="" type="radio"/>	N	
46. Does the SWPPP include a description of all pollution control measures (BMPs) that will be implemented to control pollutants in storm water discharges, including sequence of implementation? <i>ESO Element 10</i>	<input checked="" type="radio"/>	N	
47. Does the SWPPP include a description of interim and permanent <i>stabilization practices</i> (e.g., seeding, mulching, riprap for the site)? <i>ESO Element 11; 12</i>	<input checked="" type="radio"/>	N	
48. Does the SWPPP identify the sequence and timing by which <i>stabilization practices</i> will be implemented? <i>ESO Element 10A - 10B; 13</i>	<input checked="" type="radio"/>	N	
49. Does the SWPPP include a description of <i>structural practices</i> (e.g., off-site vehicle tracking, silt fences, dikes, sediment traps, storm drain inlet protection) for the site? <i>ESO Element 15</i>	<input checked="" type="radio"/>	N	
50. Does the SWPPP identify the sequence and timing by which <i>structural practices</i> will be implemented? <i>ESO Element 10A - 10B</i>	<input checked="" type="radio"/>	N	
51. Where the <i>structural practice</i> attainable is a sediment basin that drains over 10 acres, is it adequately designed? (3,600 cu.ft/acre x total drainage acres or 2year/24 hour storm) <i>ESO Element 47</i>	<input checked="" type="radio"/>	N	(< 10 acres)

NPDES Industrial Storm Water Worksheet (Construction)

52. Do areas less than 10 acres (i.e. those w.o. sediment basins) have sediment controls for down slope boundaries? <i>ESO Element 48</i>	<input checked="" type="radio"/> Y	N	
53. Does the SWPPP describe controls for pollutants from non-construction activities? <i>ESO Element 20</i>	Y	N	N/A
54. Does the SWPPP identify off-site material storage areas? <i>ESO Element 9F</i>	Y	N	N/A
55. Does the SWPPP identify potential sources of pollution (e.g., portapotties, fuel tanks, staging areas, waste containers, chemical storage, concrete cure, paints, solvents, etc...)	<input checked="" type="radio"/> Y		
56. Does the SWPPP identify storm water management measures to address storm water runoff once the construction is completed (e.g., retention ponds, velocity dissipation controls)? <i>ESO Element 16</i>	<input checked="" type="radio"/> Y	N	
57. Does the SWPPP identify non-storm water discharges? <i>ESO Element 21</i>	<input checked="" type="radio"/> Y	N	
58. Does the SWPPP ensure implementation of pollution prevention measures for non-storm water discharges? <i>ESO Element 22</i>	<input checked="" type="radio"/> Y	N	

Inspections	Notes:		
59. Inspections performed once every 7 days, and within 24 hours of rain event greater than 0.5 in. <i>ESO Element 32</i>	Y	<input checked="" type="radio"/> N	(*Attach copies of recent inspection reports.) 7 of 37 weeks missing
60. Have copies of inspection reports/all other documentation been retained as part of the SWPPP for 3 years from date permit coverage expires? <i>ESO Element 28</i>	<input checked="" type="radio"/> Y	N	
61. Inspections performed by qualified personnel? <i>ESO Element 33</i>	<input checked="" type="radio"/> Y	N	
62. All disturbed areas and/or used for storage and exposed to rain inspected? <i>ESO Element 34</i>	<input checked="" type="radio"/> Y	N	
63. All pollution control measures inspected to ensure proper operation? <i>ESO Element 35</i>	Y	N	Sparse detail provided in reports.

NPDES Industrial Storm Water Worksheet (Construction)

64. All discharge locations inspected if accessible, or if not accessible, are nearby downstream locations inspected? <small>ESO Element 36; 37</small>	Y	<input checked="" type="radio"/> N	<i>(Not discussed in reports.)</i>
65. Entrance/exit inspected for off-site tracking? <small>ESO Element 38</small>	<input checked="" type="radio"/> Y	N	
66. Inspection report contain all required items and certified? <small>ESO Element 39; 40</small>	<input checked="" type="radio"/> Y	N	<small>(name, date, effectiveness of BMPs, actions taken or necessary, list of areas where LD operations have permanently or temporarily stopped, signature)</small>
67. Is SWPPP revised when BMPs added/modified within 7 days after inspection reveals problems? <small>ESO Element 29</small>	Y	<input checked="" type="radio"/> N	<i>Long delays between identification of deficiencies and initiation of corrective actions.</i>
68. Has implementation of additional/modified BMPs been completed before next anticipated storm event? <small>ESO Element 43.C.1</small>	Y	<input checked="" type="radio"/> N	
69. NOTES: SWPPP Review			

NPDES Industrial Storm Water Worksheet (Construction)

<u>Receiving Waterbody</u>	
70. Receiving waterbody or MS4:	<i>Unnamed tributary of Sugar Creek (blue line stream)</i>
71. Distance to recg. waterbody	<i>~ 2 miles to Sugar Creek</i>
72. Other off-site impacts?	
73. Has sediment been removed to reduce off-site impacts?	(Attach photos)
74. Sediment observed in stream/lake?	<i>traces at stream crossing (east end)</i> <div style="text-align: right;">(Attach photos)</div>
<u>Photograph Log</u>	
<p style="text-align: right; font-size: small;">(*Attach site map with location and orientation of photos, including lot numbers)</p> <p style="margin-top: 20px;"><i>Attachment 3 = photos</i></p> <p style="margin-top: 10px;"><i>Attachment 4 = Photo Log & location key.</i></p>	



STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
CHUCK GIPP, DIRECTOR

DEPARTMENT OF NATURAL RESOURCES
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
NOTICE OF GENERAL PERMIT COVERAGE UNDER
GENERAL PERMIT NO. 2

STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY

This notice of general permit coverage for a storm water discharge associated with construction activity is issued pursuant to the authority of section 402 (b) of the Clean Water Act (U.S.C. 1342(b)), Iowa Code 455B.174, and subrule 567--64.4(2), Iowa Administrative Code. A Notice of Intent has been filed with the Iowa Department of Natural Resources that this storm water discharge complies with the terms and conditions of NPDES General Permit No. 2. Authorization is hereby issued to discharge storm water associated with industrial activity as defined in Part VIII of the Iowa Department of Natural Resources NPDES General Permit No. 2 in accordance with the terms and conditions set forth in the permit.

Owner: M AND R HOLDINGS, LLC
15602 WILDEN DR.
URBANDALE IA 50323
(515)306-8090

Permit Coverage Issued To:

BRANDON'S RESERVE, RESIDENTIAL SUBDIVISION - CONSTRUCTION
1010 WARRIOR LN.
in WAUKEE, DALLAS COUNTY
located at

1/4 Section	Section	Township	Range
SE	33	79N	26W

Coverage Provided Through: 11/25/2018
NPDES Permit Discharge Authorization Number: 28073 - 27824
Discharge Authorization Date: 12/1/2015

Project Description: CONSTRUCTION OF A RESIDENTIAL SUBDIVISION 10 ACRES

**PUBLIC NOTICE OF STORM
WATER DISCHARGE**

M & R Holdings LLC plans to submit a Notice of Intent to the Iowa Department of Natural Resources to be covered under NPDES General Permit No. 2, "Storm Water Discharge Associated with Industrial Activity for Construction Activities". The storm water discharge will be from construction of a subdivision and associated paving located in the SE 1/4 of Section 33, T79N, R26W, of the 5th P.M., City of Waukegan, Dallas County, Iowa. Storm water will be discharged from a point source from the site, and will be discharged to Sugar Creek, in Dallas County. Comments may be submitted to the Storm Water Discharge Coordinator, IOWA DEPARTMENT OF NATURAL RESOURCES, Environmental Protection Division, Henry A. Wallace Building, 502 E. 9th Street, Des Moines, IA 50319-0034. The public may review the Notice of Intent from 8 a.m. to 4:30 p.m., Monday through Friday, at the above address after it has been received by the department.



AFFIDAVIT OF PUBLICATION

State of Iowa

County of Polk, ss.:

The undersigned, being first duly sworn on oath, states that The Des Moines Register and Tribune Company, a corporation duly organized and existing under the laws of the State of Iowa, with its principal place of business in Des Moines, Iowa, the publisher of

THE DES MOINES REGISTER

newspaper of general circulation printed and published in the City of Des Moines, Polk County, Iowa, and that an advertisement, a printed copy of which is attached as Exhibit "A" and made part of this affidavit, was printed and published in The Des Moines Register on the following dates:

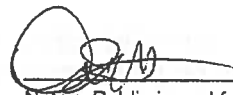
Ad No.	Start Date:	Run Dates:	Cost:
0000848186	11/11/15	11/11/15	\$26.61

Copy of Advertisement
Exhibit "A"

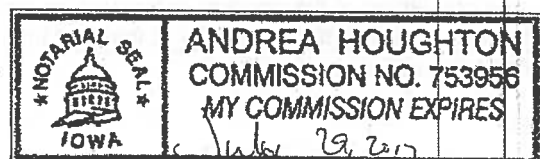

VP/Register Weekly Newspapers

Subscribed and sworn to before me by said affiant this

12th day of November, 2015



Notary Public in and for Polk County, Iowa



FACILITY LOCATION OR LOCATION OF CONSTRUCTION SITE

Give the location by ¼ section, section, township, range, (e.g., NW, 7, T78N, R3W).

1/4 SECTION	SECTION	TOWNSHIP	RANGE
SE	33	79	26

MAIL TO:

STORM WATER COORDINATOR
IOWA DEPARTMENT OF NATURAL
RESOURCES
502 E 9TH ST
DES MOINES IA 50319-0034

OWNER INFORMATION

Enter the name and full address of the owner of the facility.

NAME: M & R Holdings LLC (Attn Dave Walters)		ADDRESS: 15602 Wilden Drive	
CITY: Urbandale	STATE: Iowa	ZIP CODE: 50323	TELEPHONE: (515) 306-8090

OUTFALL INFORMATIONDischarge start date, i.e., when did/will the site begin operation or 10/1/92, whichever is later: November 25 2015

Is any storm water monitoring information available describing the concentration of pollutants in storm water discharges?

☐ Yes ☒ No**NOTE:** Do not attach any storm water monitoring information with the application.

Receiving water(s) to the first uniquely named waterway in Iowa (e.g., road ditch to unnamed tributary to Mud Creek to South Skunk River):

Sugar Creek

Compliance With The Following Conditions:

Yes No

Has the Storm Water Pollution Prevention Plan been developed prior to the submittal of this Notice of Intent and does the plan meet the requirements of the applicable General Permit? (do not submit the SWPPP with the application)

☒ ☐

Will the Storm Water Pollution Prevention Plan comply with approved State (Section 161A.64, Code of Iowa) or local sediment and erosion plans? (for General Permit 2 only)

☒ ☐

Has a public notice been published for at least one day, in the newspaper with the largest circulation in the area where the discharge is located, and is the proof of notice attached? (new applications only)

☒ ☐**GENERAL PERMIT NO. 2 AND GENERAL PERMIT NO. 3 APPLICANTS COMPLETE THIS SECTION.**

Description of Project (describe in one sentence what is being constructed):

Construction of a new subdivision

For General Permit No. 3 - Is this facility to be moved this year? ☐ Yes ☐ NoNumber of Acres of Disturbed Soil: 10

(Construction Activities Only)

Estimated Timetable For Activities / Projects, i.e., approximately when did/will the project begin and end:

Begin-November 2015

End-November 2018

CERTIFICATION - ALL APPLICATIONS MUST BE SIGNED

Only the following individuals may sign the certification: owner of site, principal executive officer of at least the level of vice-president of the company owning the site, a general partner of the company owning the site, principal executive officer or ranking elected official of the public entity owning the site, any of the above of the general contracting company for construction sites.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified people properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, this information is to the best of my knowledge and belief, true, accurate, and complete. I further certify that the terms and conditions of the general permit will be met. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME: (print or type) DAVE WALTERS

TITLE AND COMPANY NAME OF SIGNATORY:

SIGNATURE:

DATE:

11-18-15



IOWA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
**NOTICE OF INTENT FOR NPDES COVERAGE UNDER
GENERAL PERMIT**

CASHIER'S USE ONLY
0253-542-SW08-0581

Name

No. 1 FOR "STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY"

or

No. 2 FOR "STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FOR CONSTRUCTION ACTIVITIES"

or

No. 3 FOR "STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FOR ASPHALT PLANTS, CONCRETE BATCH PLANTS, ROCK CRUSHING PLANTS, AND CONSTRUCTION SAND AND GRAVEL FACILITIES."

PERMIT INFORMATION

Has this storm water discharge been previously permitted? ☐ Yes ☒ No

If yes, please list authorization number _____

Under what General Permit are you applying for coverage?

General Permit No. 1 ☐ General Permit No. 2 ☒ General Permit No. 3 ☐

PERMIT FEE OPTIONS

For coverage under the NPDES General Permit the following fees apply:

- ☐ Annual Permit Fee \$175 (per year) Maximum coverage is one year.
☒ 3-year Permit Fee \$350 Maximum coverage is three years.
☐ 4-year Permit Fee \$525 Maximum coverage is four years.
☐ 5-year Permit Fee \$700 Maximum coverage is five years.

Checks should be made payable to: Iowa Department of Natural Resources.

FACILITY OR PROJECT INFORMATION

Enter the name and full address/location (not mailing address) of the facility or project for which permit coverage is requested.

NAME: Brandon's Reserve		STREET ADDRESS OF SITE: 1010 Warrior Lane	
CITY: Waukee	COUNTY: Dallas	STATE: Iowa	ZIP CODE: 50263

CONTACT INFORMATION

Give name, mailing address and telephone number of a contact person (Attach additional information on separate pages as needed). This will be the address to which all correspondence will be sent and to which all questions regarding your application and compliance with the permit will be directed.

NAME: M & R Holdings LLC (Attn Dave Walters)		ADDRESS: 15602 Wilden Drive	
CITY: Urbandale	STATE: Iowa	ZIP CODE: 50323	TELEPHONE: (515) 306-8090

Check the appropriate box to indicate the legal status of the operator of the facility.

☐ Federal ☐ State ☐ Public ☒ Private ☐ Other (specify) _____

SIC CODE (General Permit No. 1 & 3 Applicants Only)

SIC code refers to Standard Industrial Classification code number used to classify establishments by type of economic activity.

APPENDIX B

**NOTICE OF INTENT, PROOF OF PUBLICATION,
AND
IOWA DNR AUTHORIZATION LETTER**



NPDES GENERAL PERMIT NO.2

STORM WATER POLLUTION PREVENTION PLAN

BRANDON'S RESERVE TREE CLEARING

Waukee, Iowa

NPDES GENERAL PERMIT NO.2

STORM WATER POLLUTION PREVENTION PLAN

BRANDON'S RESERVE TREE CLEARING

Waukee, Iowa

Bishop Project No. 150351

IMPORTANT NOTICE

1. This Storm Water Pollution Prevention Plan (SWPPP) shall be retained on the construction site from the date the construction activities begin to the date of final stabilization.
2. All contractors shall be supplied with a copy of the pollution prevention plan.
3. The SWPPP Inspector shall be responsible for updating this Initial SWPPP, not Bishop Engineering.

It shall be the duty of the OWNER, or SWPPP MANAGER designated by the OWNER, to see that these requirements and all requirements of the NPDES Permit are met.

PREPARER'S CERTIFICATION:

I hereby certify that this Storm Water Management Plan has been prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Iowa.

Signed: David B. Bentz
David B. Bentz PE 17143
License Renewal Date: December 31, 2015.

1/22/16
Date

OWNER'S CERTIFICATION:

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified people properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, this information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: Owner
Printed Name: _____ Title _____ Date 1-22-16

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- A. NPDES GENERAL PERMIT NO. 2 – IA**
- B. NOTICE OF INTENT, PROOF OF PUBLICATION
AND IDNR AUTHORIZATION LETTER**
- C. CONTRACTOR CERTIFICATIONS**
- D. INSPECTION REPORTS**
- E. SOILS REPORT**
- F. SWPPP PLAN**

PROJECT CONTACTS

OWNER:

M & R Holdings LLC
Attn: Dave Walters
15602 Wilden Drive
Urbandale, Iowa
(515) 306-8090

APPLICANT:

M & R Holdings LLC
Attn: Dave Walters
15602 Wilden Drive
Urbandale, Iowa
(515) 306-8090

GENERAL CONTRACTOR:

Monarch Foundations, Inc.
Attn: Dean Sweeney
3700 S.E. Beisser Drive
Grimes, Iowa 50111
(515) 419-3939

EROSION INSPECTION CONTRACTOR:

Bishop Environmental Inspection
3501 104th Street
Des Moines, IA 50322
(515) 276-0467

LOCAL GOVERNMENT:

City of Waukee
230 W. Hickman Road
Waukee, IA 50263
PH: (515) 978-7900

STATE GOVERNMENT:

Iowa Department of Natural Resources
502 E. 9th Street
Des Moines, Iowa, 50319-0034

Storm Water Coordinator	515-725-8417 (Joseph Griffin)
	515-725-8415 (Deb Schiel-Larson)
Emergency Response to Chemical Spills	515-725-8694

INTRODUCTION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

The National Pollutant Discharge Elimination System (NPDES) was established in 1972 by the amendments to the Federal Water Pollution Control Act. The NPDES permit program emphasizes technology-based controls for the discharges of pollutants from point sources focusing on industrial process wastewater and municipal sewage.

The Environmental Protection Agency (EPA) conducted a Nationwide Urban Runoff Program from 1978 to 1983 revealing a large number of storm water samples exceeded the EPA water quality standards. As a result of these studies, the EPA was under pressure to use its existing Clean Water Act (CWA) authority to issue NPDES permits for all storm water discharges. Due to the overwhelming burden on the EPA to process so many permits, Congress devised a compromise to allow the EPA to focus on the most contaminated storm water discharges first.

The most significant storm water pollution discharges were defined in Section 402(p) of the CWA to be subject to immediate permitting. The five categories, called Phase I dischargers, were defined as:

- Facilities already covered by an NPDES permit for storm water;
- Facilities that engage in industrial activity (including heavy manufacturing facilities, large construction and transportation facilities, among others)
- Large (>250,000 population) municipal separate storm drain systems;
- Medium (100,000>population<250,000) municipal separate storm drain systems;
- Facilities that the EPA administrator determines to have storm water discharges contributing to a violation of water quality, or that are “significant contributors” of pollutants to waters of the United States.

After these categories needing more immediate attention were taken care of, the EPA issued an implementation rule describing the minimum requirements for NPDES storm water terms and conditions. Separate general permits were issued for each industrial dischargers and construction activities for facilities in those states where the EPA implements the storm water program. These permits are considered the minimum requirements for the state’s own permit requirements.

In 1987, the Water Quality Act added provisions to the Clean Water Act that allowed the EPA to govern storm water discharges from construction sites. In August 1995, the EPA issued a final rule for Phase II dischargers (those who previously were not required to obtain permits) which include “light” industrial facilities, small construction sites (<5 acres), and small municipalities (<100,000 population). In 1998, EPA published notice for General Permits for Storm Water Discharges from Construction Activities Disturbing 5 Acres or Greater. The general permit includes provisions for the development of a Storm Water Pollution Prevention Plan (SWPPP) to maximize the potential benefits of pollution prevention and sediment and erosion control

measures at construction sites. The General Permit for Storm Water Discharges from Construction Activities was re-issued in 2002, changing the eligibility requirement to disturbing one or more acres of total area. The permit was re-issued again in 2012 which added the requirement for preservation of topsoil, transfer of coverage notification, and revised the inspection cycle among other changes.

STORM WATER POLLUTION PREVENTION PLAN

The general permit includes provisions for development of a Storm Water Pollution Prevention Plan (SWPPP) to maximize the potential benefits of pollution prevention and sediment and erosion control measures at the construction site. Development, implementation, and maintenance of the SWPPP will provide the owner and his contractors with the frame work for reducing soil erosion and minimizing pollutants in storm water during construction and through the life of the project. The SWPPP will:

- Define the characteristics of the site and receiving waters.
- Define the type of construction slated for the site.
- Illustrate all the proposed site improvements.
- Outline the practices implemented to control erosion and the release of pollutants in storm water.
- Outline an implementation schedule.
- Include drainage calculations.
- Identify potential storm water contaminants.
- Outline an inspection procedure to ensure practices described in the SWPPP are in fact implemented and to evaluate the plan's effectiveness in reducing erosion, sediment, and pollutant levels in the storm water discharged from the site.
- Provide for flexibility in the plan so adjustments and plan updates can be made in order to modify practices in place or implement additional practices in order to be more effective in preventing pollution.
- Describe the final stabilization and permanent measures designed to minimize erosion and prevent storm water impacts after construction is complete.

ENFORCEMENT & PENALTIES

An administrative order is a procedure through which EPA can impose fines and penalties without court action. Typically, EPA will attempt to work out a schedule of compliance with a violator.

To issue a class I penalty, EPA must give the violator notice in writing that a fine is being considered, and give the violator an opportunity to request an informal hearing to discuss the issues. To issue a class II penalty, EPA must give the violator written notice and an opportunity for a full adjudicatory hearing prior to assessment of penalties.

The maximum penalty for a class I violation is \$11,000 per day of violation with a total maximum of \$27,500. The maximum penalty for a class II violation is \$11,000 per day of

violation with a total maximum of \$137,500.

A civil suit may be brought by the EPA against any violators of the CWA and is not required to issue an administrative order. The EPA must show that the CWA, its regulations, or the conditions of a permit are being violated, however is not required to show fault or negligence on the part of the violator.

The maximum civil penalty allowed is \$27,500 per violation. There is no maximum limit for civil penalties; therefore the fines can continue to accumulate until the violation is corrected. Each day is considered a separate violation with respect to calculation of fines.

Criminal prosecution is the most severe enforcement action available to the EPA. These prosecutions may proceed against corporations as well as individuals. In a criminal case, the EPA may refer the case to the Department of Justice for criminal prosecution of a discharger who willfully or negligently violates the CWA.

The following penalties may be imposed in a criminal action:

- Initial conviction for negligent violation—fines from \$2,500 to \$25,000 per day of violation and imprisonment for a maximum of one year or both.
- Initial conviction of a knowing violation—fines from \$5,000 or \$50,000 per day of violation and imprisonment for a maximum of three years or both.

Known violation in which a person is placed in imminent danger of death or serious bodily harm—fines of up to \$250,000 for individuals and \$1,000,000 for organizations and imprisonment up to two years or both.

- Subsequent convictions beyond the initial conviction—fines and imprisonment terms can be doubled.

Private citizens are allowed to initiate civil actions against alleged violators and against the EPA for failure to perform non-discretionary duty under the CWA. Under the CWA, a citizen is defined as a “person or persons having an interest that is or may be adversely affected” by the violation.

PART 1

SITE DESCRIPTION

A. DESCRIPTION OF THE NATURE OF THE CONSTRUCTION ACTIVITY:

M & R Holdings LLC plans to submit a Notice of Intent to the Iowa Department of Natural Resources to be covered under NPDES General Permit No. 2, "Storm Water Discharge Associated with Industrial Activity for Construction Activities". The storm water discharge will be from construction of a subdivision and associated paving located in the SE 1/4 of Section 33, T79N, R26W, of the 5th P.M., City of Waukee, Dallas County, Iowa. Storm water will be discharged from a point source from the site, and will be discharged to Sugar Creek, in Dallas County.

The construction will consist of removing scrub brush and selective trees. The associated improvements including site preparation, grading, and post fill seeding.

The construction activity includes, but is not limited to or by; site demolition, clearing and grubbing, cut and fill, grading; removal and stockpiling of topsoil, and landscaping.

The construction activity involves the use of heavy equipment such as earth movers, trenchers, dozers, patrols, and rollers. Material and equipment is delivered to the site on semi-trailer units, straight trucks, dump trucks, and pickups. Light machinery includes air compressors, concrete saws, pumps, motor mixers, sand blaster, joint sealers, and other hand tools. Personnel include supervisors, equipment operators, and laborers.

A stabilized construction entrance will be prepared and site erosion control will be installed, then removal of brush and trees will commence. Construction will begin with site clearing and grading to prepare the benches on the sub-grade. Fill will then be brought in and compacted. As the construction sequence allows, seeding and landscaping of the site will take place.

Demolition and clearing includes the removal of pavements and aggregate surfaces, landscaping materials, and abandoned utilities, stripping and stockpiling of topsoil and grubbing out trees and brush. Excavations will take place as required to remove all these site features.

Rough Grading includes the mass grading for the site improvements including the site grading for the paving.

Utility construction includes public and private utility line extensions for sanitary sewer, domestic water, telephone, gas, electric, and exterior lighting, storm sewers and roof drains.

Paving includes parking lot and sidewalk improvements.

Landscaping will include any trees and seeding of the site.

B. EXISTING DRAINAGE SYSTEM AND RECEIVING WATERS:

Storm water on the existing site generally flows to the south into the farm pond thence to Sugar Creek.

C. PROPOSED DRAINAGE SYSTEM AND RECEIVING WATERS:

Storm water on the proposed site will be discharged through a wet detention pond thence to Sugar Creek.

D. ESTIMATE OF SITE AREA AND DISTURBED AREA:

The total area of the site is 13.75 acres more or less, of which 5 acres more or less are expected to be disturbed by construction activities.

E. ESTIMATE OF THE RUNOFF COEFFICIENT OF THE SITE:

Based on methods and tables found in the SUDAS Design Manual, the estimated curve number of the site before construction is 61. The curve number of the site after construction is 85.

F. ESTIMATE OF THE AREA OF IMPERVIOUS SURFACES :

The area of impervious surface for site including roof and paving before construction equals 0.2 acres more or less. The area of impervious surface including roof and paving after tree clearing activities equals 0 acres more or less.

PART 2

CONTROLS

POTENTIAL SOURCES OF POLLUTION

Potential sources of sediment to storm water runoff: clearing, grading, excavating, destabilized areas, material delivery and storage, landscaping operations, and other land disturbing activities.

DESCRIPTION OF PROPOSED MEASURES TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES DURING CONSTRUCTION (including applicable State and local erosion and sediment control requirements):

Pollutants in storm water discharge during construction shall be controlled by managing erosion and sedimentation on the construction site. The Contractor shall be required to control erosion and sedimentation on the construction site using best management practices, hereinafter BMP, including structural and vegetative control measures including but not limited to: sediment traps and basins, storm sewer inlet protection, silt fences and barriers, waddles, filter socks, temporary diversion channels, mulching, temporary vegetative cover such as temporary grasses and legumes. See the detailed construction plans included in the Storm Water Pollution Prevention Plan for the specific BMP's which are recommended for this site. The area of bare soil exposed at any one time by construction operations shall be held to a minimum.

Soil Erosion shall be minimized by implementing all the erosion control measures outlined on the grading plan. Contractor shall be responsible for monitoring and maintaining the erosion control devices. Contractor shall install additional or alternate erosion control devices if it becomes apparent the erosion control outlined on the plan is inefficient or ineffective. Erosion Control devices and temporary seeding shall be implemented as soon as possible and practical during the construction sequence. Any debris spilled on to adjacent property and right-of-way as a result of this construction activity shall be cleaned up daily.

In general, the site may undergo the following major construction activities, listed in sequence:

- Buried utility locates
- Layout limits of construction
- Installation of Perimeter Silt Barriers
- Demolition
- Clearing & Grubbing
- Rough Grading
- Utility Excavation, Installation, and Backfill
- Foundation Excavation
- Building Construction
- Pavement Subgrade Preparation
- Paving

Backfilling
Finish Grading
Permanent Seeding or Sodding and Landscaping

Controls for each activity area are as follows and should be applied as necessary:

Site Layout

Contractor shall take any and all appropriate measures to identify, locate, and flag existing buried utilities on the project site. All areas of the site which are to remain undisturbed shall be identified in a manner which will prevent encroachment.

Construction access shall be limited by the general contractor. All construction vehicles exiting the site shall be limited to this location. A stabilized area will be maintained at the entrance to prevent tracking sediment onto public R.O.W. or adjoining properties. All construction vehicles exiting the site shall be limited to designated locations.

In areas that slope away from future construction, towards the perimeter of the site, temporary silt barriers shall be placed.

Clearing and Grubbing

Commence with clearing and grubbing only after the perimeter of the site and existing storm water discharge points and storm sewer inlets are protected with silt barriers. In areas that slope away from future construction, or in which significant erosion may occur, temporary silt fences shall be placed. The anticipated locations are shown on the initial pollution prevention plan. These perimeter controls shall be installed after the clearing and stripping necessary for the installation of the measure, but before the clearing and stripping of other portions of the site. Perimeter measures shall be maintained until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls shall be removed after final stabilization.

Preservation of existing areas of vegetation that will not be disturbed by construction will be clearly marked, to prevent damage both on and off site. Phase clearing and grubbing whenever the project schedule allows.

Install silt barriers on the perimeter of stock pile areas in advance of placement.

Grading

Silt barriers installed during clearing and grubbing activities shall remain and be maintained. As areas outside the paving or building areas reach their final grade, temporary and/or permanent seeding shall be done as soon as practical.

If construction activity is not planned for at least 21 days, the area shall be stabilized by temporary erosion control measures within 14 days of ceasing operations. Temporary control measures may include applying mulch and tacking it in.

Stockpile areas of excavated material shall be protected from erosion by temporary covering, seeding, and/or perimeter silt barriers.

Seeding shall follow the SUDAS for mixture and dates of application. Temporary and final seeding on slopes greater than or equal to 4 feet horizontal to 1 foot vertical shall be mulched.

Utility Excavation

Utility excavation operations will include areas that may or may not have been previously graded. All areas that are disturbed as part of utility construction shall be seeded in conformance with General Permit No. 2 with temporary and/or permanent vegetative cover. Other temporary erosion controls that may have been removed for excavation activities shall be replaced as soon as possible, but not later than 2 days after construction.

After the construction of drainage intakes, drain inlet protection consisting of silt barriers shall be placed as soon as possible.

Paving

After the paving of curb and gutters has been completed and backfill placed behind the curb, final grading and temporary and/or permanent seeding shall be done as soon as practical. Silt barriers shall be placed at intake locations until stabilization occurs. Paved gutters shall be swept as needed to remove sediment before it reaches the storm sewer system.

Perform washout of concrete trucks offsite or in a designated area. For on site washout area, locate it at least 50' from storm drains, open ditches or water bodies. Do not allow runoff from this area by constructing a temporary pit or bermed area large enough to contain liquid and solid waste. Concrete washouts shall meet all EPA minimum BMP measure requirements.

Building Construction

During the initial stages of the building(s) construction, the foundation(s) may be constructed. Any excess material from foundation work will be immediately incorporated into the final grading, removed from the site, or be stockpiled and stabilized until needed. Perform washout of concrete trucks offsite or in a designated area. For onsite washout area, locate it at least 50' from storm drains, open ditches or water bodies. Do not allow runoff from this area by constructing a temporary pit or

bermed area large enough to contain liquid and solid waste. Concrete washouts shall meet all EPA minimum BMP measure requirements.

Builder shall maintain all erosion control measures for the project that are on their site. Areas that are disturbed as part of building construction shall be re-seeded as soon as practical with temporary and/ or permanent vegetative cover. Other temporary erosion controls that may have been removed for excavation activities shall be replaced as soon as possible.

If construction activity is not planned for at least 21 days, the area shall be stabilized by temporary erosion control measures within 14 days of ceasing operations. Temporary control measures may include applying mulch and tacking it in.

Temporary gravel entrance shall be provided and maintained. Stockpile areas of excavated material shall be protected from erosion by temporary covering, seeding, and/or perimeter silt barriers.

Final Grading

As graded areas reach their final grade and after the paving is backfilled, topsoil shall meet the requirements listed in Part IV.D.2.A.(2).(c) of General Permit #2 or city code whichever is more restrictive.

Permanent seeding or sodding shall be done as soon as practical, for final stabilization. Silt barriers and other controls shall be maintained as placed to minimize sediment flow off of the site. If construction activity is not planned for at least 21 days, the area shall be stabilized by temporary erosion control measures within 14 days of ceasing operations. Temporary control measures may include applying mulch and tacking it in.

Maintain all erosion controls in place during the final grading operations. Add additional erosion control devices as needed to stabilize areas which have been finish graded. Stockpile areas of excavated material shall be protected from erosion by temporary covering, seeding, and/or perimeter silt fence.

Landscaping

Seeding shall follow the SUDAS for mixture and dates of application. Temporary and final seeding on slopes greater than or equal to 4 feet horizontal to 1 foot vertical shall be mulched. Permanent seeding or sodding shall be done as soon as practical, for final stabilization.

Landscaping contractor shall seed or sod immediately after the seed bed is prepared. As seeding or sod is being watered, additional areas needing silt barriers may be identified. Add silt barriers as necessary. Other temporary erosion controls that may

have been removed for seeding activities shall be replaced as soon as possible.

Landscaping shall include all earth areas not already seeded, sodded, or otherwise protected from erosion. Silt barriers and all other controls shall be maintained as placed to minimize sediment flow off of the site during the landscaping phase and until final stabilization has been achieved. Final stabilization means all soil disturbing activities are complete and a uniform perennial vegetative cover has been established with a minimum density of 70% of the area, or an equivalent stabilization measure or which has been returned to agricultural production. Furthermore final stabilization includes completion of all building per the proposed plans.

**DESCRIPTION OF PROPOSED MEASURES TO CONTROL POLLUTANTS IN
STORM WATER DISCHARGES AFTER CONSTRUCTION HAS BEEN COMPLETED**
(including applicable State and local erosion and sediment control requirements):

1. Erosion and sedimentation shall be controlled by establishing vegetation on all areas not paved, mulched or otherwise protected.
2. The site has been designed to release storm water flows through detention ponds that will control the post-development release rate.
3. Storm sewer outlet pipes at the pond shall have the aprons underlain by engineering fabric and rip rap per plans to prevent erosion.

PART 3

MAINTENANCE

The Owner or Owner's Designee shall be responsible for maintaining the sediment control devices. Additional or alternate sediment control devices shall be installed if it becomes apparent the erosion control outlined on the plan is inefficient or ineffective.

The OWNER or owner's designee shall be responsible for a site inspection of the construction site at least once every seven calendar days. Control measures requiring maintenance shall be noted in the inspection report. CONTRACTOR shall make repairs and adjustments to controls within 24 hours or as soon as site conditions allow.

The following points shall be considered when conducting maintenance:

1. Remove sediment from silt basins, silt fences, etc. as appropriate and dispose of sediment into controlled areas to prevent soil from returning to the control devices during subsequent rain events. Built up sediment shall be removed from silt fences when it reaches 1/2 the height of the barrier, and from sediment ponds when it reaches 50% of design capacity.
2. Remove sediment from paved roadways daily and from around devices protecting storm drain inlets.
3. Check that contractor work areas and material storage areas are cleaned and maintained.
4. Replace devices, such as silt fences, that no longer operate effectively.
5. Maintain all equipment in good condition to minimize the likelihood of a fuel or oil spill.
6. All solvents, glues, sealers, cements, and similar materials shall be used in accordance with the manufacturer's recommendation.
7. Temporary seeding cover which has been damaged or otherwise deteriorated shall be reseeded or rejuvenated by other means.
8. All solid waste shall be stored in a sealed container in a dry enclosed location, and it must be disposed of in an approved solid waste facility or other approved method. Disposal of materials of materials by burying on-site is not allowed.
9. Concrete washouts shall be cleaned at 50% of capacity. Any concrete waste that falls outside of concrete washout station shall be cleaned up within 24 hours.

PART 4

INSPECTION

Qualified personnel provided by the PERMITTEE shall inspect disturbed areas of the construction site that have not been finally stabilized at least once every seven calendar days.

A. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or potential for, pollutants entering the drainage system. Erosion and sediment control measures shall be observed to ensure that they are operating correctly and are being maintained. Where discharge locations are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite tracking.

B. Based upon the inspection, the permittee (owner) or designee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, or if the plan proves ineffective in achieving the objectives of controlling pollutants in storm water discharge. The plan shall also be updated to include all contractors identified as co-permittees, identify any change in ownership or transference of permit responsibilities, or, if required by the occurrence of a hazardous condition. The description of potential pollutant sources and pollution prevention measures identified in the plan shall be revised as appropriate. Modifications to the plan shall be implemented within 5 calendar days following the inspection.

C. An Inspection Report shall be recorded in writing and filed with the prevention plan. (See sample of form in Appendix.) The report shall contain a summary of the inspection including: names and qualifications of personnel making the inspection, date of inspection, weather information, location of sediment/pollutant discharges, observation of implementation of the SWPPP and Best Management Practices (BMP's), BMP's needing repair, additional BMP's needed, and actions taken in accordance with changes made to the SWPPP as outlined above. The report shall be signed with the standard certification for a qualified person.

The reports shall be retained as part of the SWPPP for at least three years after final stabilization has been achieved and a Notice of Discontinuance has been submitted to the Iowa Department of natural Resources.

PART 5

NON-STORM WATER DISCHARGES

No underground storage tanks will be installed. There is no known site soil contamination.

Potential pollutants and sources, other than sediment, to storm water runoff: concrete washout and waste, structure construction/ painting/ cleaning, material used during construction, solid waste (trash and debris), hazardous waste, contaminated spills, sanitary/septic waste, vehicle/ equipment fueling and maintenance, vehicle/ equipment use and storage.

Contractor shall familiarize himself with all identifiable sources of pollution and take proper and reasonable precautions to minimize any potentially hazardous situations. Sources of pollution may include, fuel spills, oil spills, solvent spills, paint spills, trash disposal, waste disposal, and excessive erosion.

Discharges from firefighting activities; fire hydrant flushing; waters used to wash vehicles shall be in accordance with Part IV.D.2.c(2) of General Permit No. 2; potable water sources including waterline flushing, irrigation drainage, routine external building wash-down which does not use detergents, pavement wash-water where spills or leaks of toxic or hazardous materials have not occurred (unless all soiled material has been removed) and detergents have not been used, air conditioning condensate, springs, uncontaminated groundwater, foundation or footing drains where flows are not contaminated with process materials such as solvents, may be authorized by the NPDES permit as long as appropriate pollution prevention measures are in place.

Concrete wash-out area and control device shall be utilized during construction.

DESCRIPTION OF PROPOSED MEASURES TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES DURING CONSTRUCTION (including applicable State and local erosion and sediment control requirements):

1. Waste Disposal (Good Housekeeping/Materials Management)

Building materials and other construction site wastes must be properly managed and disposed of to reduce the risk of pollution from materials such as surplus or refuse building materials or hazardous wastes. Practices such as trash disposal, recycling, proper material handling, and spill prevention and cleanup measures shall be utilized to reduce the potential for storm water runoff to mobilize construction site wastes and contaminate surface or ground water. No building wastes shall be buried, dumped, or discharged at the site.

Site Considerations:

a. Solid Wastes:

1. Designate a waste collection area on the site that does not receive a substantial amount of runoff from upland areas and does not drain directly to a water body.
2. Ensure that containers have lids so they can be covered before periods of rain, and keep containers in a covered area whenever possible.
3. Schedule waste collection to prevent the containers from overfilling.
4. Clean up spills immediately. For hazardous materials, follow cleanup instructions on the package. Use an absorbent material such as sawdust or kitty litter to contain the spill.

Minor spills shall be cleaned up by collecting the contaminated soil and removing it from the site and disposing of it properly.

Major spills will require the owner and operator to comply with spill notification requirements as specified in 455B/.386 of the Iowa Code. The law requires that as soon as possible (maximum limit of 6 hours) to contact the Iowa DNR, 515-725-8694, and the local sheriff's office, 515-286-3814, be notified of any "hazardous condition". Clean up procedures will depend on the severity of the spill.

During the demolition phase of construction, provide extra containers and schedule more frequent pickups. Collect, remove, and dispose of all construction site wastes at authorized disposal areas. Contact a local environmental agency to identify these disposal sites.

b. Sanitary Wastes:

All sanitary waste shall be collected from portable units on a regular basis, as required by local regulation. Portable units shall be secured from overturning.

c. Hazardous Materials and Wastes:

1. Consult with local waste management authorities about the requirements for disposing of hazardous materials.
2. To prevent leaks, empty and clean hazardous waste containers before disposing of them.
3. Never remove the original product label from the container because it contains important safety information. Follow the manufacturer's recommended method of disposal, which should be printed on the label.
4. Never mix excess products when disposing of them, unless specifically recommended by the manufacturer.

To ensure the proper disposal of contaminated soils that have been exposed to and still contain hazardous substances, consult with state or local solid waste regulatory

agencies or private firms. Some landfills might accept contaminated soils, but they require laboratory tests first.

Paint and dirt are often removed from surfaces by sandblasting. Sandblasting grits are the byproducts of this procedure and consist of the sand used and the paint and dirt particles that are removed from the surface. These materials are considered hazardous if they are removed from older structures because they are more likely to contain lead-, cadmium-, or chrome-based paints. To ensure proper disposal of sandblasting grits, contract with a licensed waste management or transport and disposal firm.

Solvents, cements, sealers, and other potentially hazardous materials used during the installation of utilities, construction of pavement, and/or the maintenance of equipment shall be used with great care to prevent spillage in any volume. Minor spills shall be cleaned up by removing and disposing of contaminated soils properly. Major spills shall be reported in accordance with 455B.386 Code of Iowa.

All waste materials such as packaging, crating, unused concrete, bricks, steel, cement, etc. shall be removed from the site and disposed of properly. Contractor shall provide adequate sanitary facilities for collection of human waste at all times during the construction period.

d. Pesticides and fertilizers:

1. Follow all federal, state, and local regulations that apply to the use, handling, or disposal of pesticides and fertilizers.
2. Do not handle the materials any more than necessary.
3. Store pesticides and fertilizers in a dry, covered area.
4. Construct berms or dikes to contain stored pesticides and fertilizers in case of spillage.
5. Follow the recommended application rates and methods.
6. Have equipment and absorbent materials available in storage and application areas to contain and clean up any spills that occur.

e. Petroleum Products:

Equipment refueling and maintenance operations shall be carried out in such a manner so as to prevent any spills and contamination to the soil and ground water. Stored equipment shall be situated on the site such that any spill can be contained on the site in an area where cleanup can be readily accomplished in all weather conditions. Minor spills shall be cleaned up by collecting the contaminated soil and removing it from the site and disposing of it properly. Major spills will require the owner and operator to comply with spill notification requirements as specified in 455B/.386 of the Iowa Code. The law requires that as soon as possible

(maximum limit of 6 hours) the Iowa DNR, 515-725-8694, and the local sheriff's office, 515-286-3814, be notified of any "hazardous condition". Clean up procedures will depend on the severity of the spill.

1. Store new and used petroleum products for vehicles in covered areas with berms or dikes in place to contain any spills.
2. Immediately contain and clean up any spills with absorbent materials.
3. Have equipment available in fuel storage areas and in vehicles to contain and clean up any spills that occur.

f. Detergents:

Phosphorous- and nitrogen-containing detergents are used in wash water for cleaning vehicles, equipment, etc. Excesses of these nutrients can be a major source of water pollution. Use detergents only as recommended, and limit their use on the site. Do not dump wash water containing detergents into the storm drain system; direct it to a sanitary sewer or contain it so that it can be treated at a wastewater treatment plant.

g. Maintenance Considerations:

CONTRACTOR shall inspect storage and use areas and identify containers or equipment that could malfunction and cause leaks or spills. Check equipment and containers for leaks, corrosion, support or foundation failure, or other signs of deterioration, and test them for soundness. Immediately repair or replace any that are found to be defective.

Follow and comply with State and local waste disposal regulations.

2. Off-Site Vehicle Tracking

Control off-site vehicle tracking by installing a rock construction exit (entrance) or equal.

- a.) The stabilized site exit shall be graded so runoff does not enter the adjacent street.
- b.) Place geotextile fabric under a layer of aggregate at least 6" thick. The aggregate should be 3" in diameter.
- c.) Limit access to site for all employees and contractors to this designated entrance.
- d.) Replenish or replace aggregate if it becomes clogged with sediment.
- e.) Sweep street regularly and whenever debris is present.

3. Concrete Wash-out

Concrete washouts shall be used to contain concrete and liquids when the chutes of

concrete mixers and hoppers of concrete pumps are rinsed out after delivery.

a.) Do not place concrete washout facilities within 50 feet of storm drains, open ditches, or water bodies. They should be placed in a location that allows convenient access for concrete trucks. Appropriate gravel or rock should cover paths to concrete washout facilities if the facilities are located on undeveloped property. On large sites with extensive concrete work, washouts should be placed in multiple locations for ease of use by concrete truck drivers.

b.) Check all concrete washout facilities daily to determine if they have been filled to 75 percent capacity, which is when materials need to be removed. Washouts should be inspected daily to ensure that plastic linings are intact and sidewalls have not been damaged by construction activities.

c.) Remove hardened solids, reuse the solids onsite or haul them away for recycling or proper disposal.

d.) Any concrete waste that falls outside of concrete washout station shall be cleaned up within 24 hours.

4. Equipment/ Vehicle Fueling and Maintenance

Prevent discharge of pollutants from equipment fueling and maintenance.

a.) Contractor shall designate areas for fueling and maintenance away from drainage facilities and water courses to prevent storm water run-on and run-off.

b.) Inspect on-site vehicles and equipment daily for leaks.

c.) Use drip pans, drip cloths, or absorbent pads when replacing fluids. Collect all spent fluids, store in appropriate labeled containers in the proper storage area, and recycle fluids when possible.

PART 6

OTHER ADMINISTRATIVE REQUIREMENTS

KEEPING PLANS CURRENT:

The PERMITTEE (OWNER) shall amend the plan whenever there is a change in design, construction, operation, or maintenance, or if the plan proves ineffective in achieving the objectives of controlling pollutants in storm water discharge. The plan shall be updated to include all contractors identified as CO-PERMITTEES, identify any change in ownership or transference of permit responsibilities, or, if required by the occurrence of a hazardous condition.

RELEASES IN EXCESS OF REPORTABLE QUANTITIES:

The owner or any operator identified in the plan is subject to the spill notification requirements as specified in 455B.386 of the Iowa Code. Iowa law requires that as soon as possible but not later than six hours after the onset of a "hazardous condition" the Iowa Department of Natural Resources and local sheriff's office be notified.

The SWPPP shall be modified within 5 calendar days of knowledge of the release to provide a description of the release and the circumstances leading to the release and to identify and provide for the implementation steps to prevent the reoccurrence of such releases and to respond to such releases.

PERMIT RENEWAL:

The NPDES permit is good for one year. OWNER shall renew the permit on an annual basis as required.

TRANSFER OF COVERAGE:

Both the PREVIOUS OWNER and NEW OWNER shall notify the Iowa DNR and the City of Waukee within 30 days of a change in title to this property or any part thereof. The NEW OWNER shall provide the new owner's name and contact information to the Iowa DNR. New owners shall be subject to all terms and conditions of the general permit. The new owners shall be made fully aware of the requirements of the general permit. A copy of the notice of transfer given the new owner and sent to the IDNR shall be included in the pollution prevention plan.

If the NEW OWNERS agree in writing to be solely responsible for compliance with the provisions of this permit for the property which has been transferred, then the existing permittees shall be relieved of responsibility for compliance with this permit for the transferred property from and after the date the IDNR receives written notice of the transfer of responsibility. A copy of the notice of transfer of responsibility shall be included in the pollution prevention plan. OWNER shall require property buyers to provide their own SWPPP before disturbing any soil on their property

NOTICE OF DISCONTINUATION:

OWNER is required to file a Notice of Discontinuation with the Iowa DNR within 30 days after topsoil preservation requirements have been met and final stabilization of the site is achieved. Final stabilization means that all soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of 70 percent for the area has been established or equivalent stabilization measures have been employed or which has been returned to agricultural production. Copy of this Notice is in appendix.

RECORD KEEPING:

PERMITEE shall retain the SWPPP, all inspection reports, and data used to complete the Notice of Intent for at least three years after final stabilization has been achieved and a Notice of Discontinuance has been submitted to the Iowa Department of Natural Resources.

During construction, the SWPPP shall be kept on site if a trailer or covered structure is available. If there is no trailer or other covered structure available on-site, then the SWPPP shall be kept at a readily available site and be available for inspection within 3 hours notice.

INSPECTIONS & MAINTENANCE:

Owner shall be responsible for a site inspection of the construction site at least once every seven calendar days.

Inspection notes shall be recorded in writing and filed with the Storm Water Pollution Prevention Plan. See attached form.

Contractor shall maintain all equipment in good condition to minimize the likelihood of a fuel or oil spill. All solvents, glues, sealers, cements, and similar materials shall be used in accordance with the manufacturer's recommendation. Erosion control devices shall be maintained on a regular basis to make sure they will operate effectively. Any temporary seeding cover which has been damaged or otherwise deteriorated shall be reseeded or rejuvenated by other means.

The permit holder (owner) shall amend the plan whenever there is a change in design, construction, operation, or maintenance, or if the plan proves ineffective in achieving the objectives of controlling pollutants in storm water discharge. The plan shall be updated to include all contractors identified as co-permit holders, identify any change in ownership or transference of permit responsibilities, or, if required by the occurrence of a hazardous condition.

OWNER DUTIES AND RESPONSIBILITIES:

The Owner/Developer as the NPDES permit holder has the following administrative responsibilities during the course of the project:

- Owner/Developer has prepared, and receives the SWPPP package.
- Check package for Notice of Intent (NOI), Proof of Publication, and SWPPP.
- Field review plans and SWPPP for completeness, adjust as necessary.
- At pre-construction meeting discuss SWPPP, erosion control measures, and schedules. Prime contractor supplies signed certification statements from self and all sub-contractors involved with storm water concerns.
- Project inspector prepares diary pages for storm water site inspections. This includes weekly inspections.
- Amend and update SWPPP for changes as project progresses. This includes all storm water inspection reports.
- Once final stabilization has been achieved and a uniform perennial vegetative cover with a density of at least 70% for the area has been established or equivalent stabilization measures have been employed or which has been returned to agricultural production, submit Notice of Discontinuation to the Iowa Department of Natural Resources (IDNR) to discontinue NPDES permit.
- Retain all records in project files.



STORM WATER POLLUTION PREVENTION PLAN UPDATE BRANDON'S RESERVE Waukee, Iowa

Brandon's Reserve is completed with the tree clearing activities and beginning grading, utilities and associated paving in regards to constructing a 24 lot subdivision. Construction will be covered under the active NPDES Permit for the Brandon's Reserve Permit. The active NPDES Permit Discharge Authorization Number is 28073-27824. The active COSESCO permit number for this project is SW16-0203. This SWPPP update shall be included with the SWPPP for the Brandon's Reserve development. All parts of the Brandon's Reserve SWPPP narrative shall be applicable.

The construction of the subdivision will begin approximately at the end of March 2016. The total disturbed area is approximately 10.2 acres. Construction will include some minor grading, utility installation, paving, topsoil re-spread, and seeding. The topsoil requirements set forth in NPDES General Permit No. 2, the previous SWPPP, and construction plans shall be applicable.

The disturbed area is under 10 acres per basin, thus a sediment basin is not required. The contractor shall install perimeter silt fence around the disturbed area to ensure sediment does not leave the site. Approximate locations of silt fence is shown on the SWPPP plan. The contractor shall be responsible for updating the SWPPP plan as necessary depending on construction.

All new contractors selected for construction shall be required to sign the contractor's certification statement provided in the master Brandon's Reserve SWPPP.

STORM WATER POLLUTION PREVENTION PLAN

PROPERTY DESCRIPTION:
(WARRENTY DEED BOOK 2015, PAGE 16665)
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE AND THE IOWA LAND
RECORDS WEB PAGE.

BEGINNING AT A POINT BEING 454.7 FEET N 0° 00' OF THE
SOUTHEAST CORNER OF SECTION 33, THENCE S 89° 59' W
968.2 FEET, THENCE N 0° 00' E 318.0 FEET, THENCE N 65°
15' E 363.0 FEET, THENCE N 0° 00' E 400.0 FEET, THENCE N
89° 59' E 536.7 FEET, THENCE S 8° 00' ALONG THE EAST
LINE OF THE SE 1/4 OF SECTION 33 AND ALONG THE
CENTERLINE OF EAST ROAD 870.0 FEET TO THE POINT OF
BEGINNING. ALL OF SAID PARCEL BEING IN THE SE 1/4 OF
SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF
THE 5TH P.M. DALLAS COUNTY IOWA AND BEING IN AND
FORMING A PART OF THE TOWN OF WAUKEE, DALLAS
COUNTY IOWA, SUBJECT TO AN EASEMENT FOR PUBLIC
HIGHWAY ON THE EAST 33.0 FEET THEREOF, AND EXCEPT
THE FOLLOWING DESCRIBED REAL ESTATE: BEGINNING
AT A POINT 454.7 FEET NORTH 0° 00' AND 627.2 FEET
SOUTH 89° 59' WEST OF THE SOUTHEAST CORNER OF
SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF
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THENCE SOUTH 89° 59' WEST 341.0 FEET, THENCE NORTH 0°
00' EAST 318.0 FEET, THENCE NORTH 65° 15' EAST 96.0
FEET, THENCE SOUTH 42° 55' EAST 322.52 FEET, THENCE
SOUTH 15° 15' EAST 128.48 FEET TO THE POINT OF
BEGINNING. ALL OF SAID DESCRIBED PARCEL BEING IN
THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER
(SE 1/4, SE 1/4) OF SECTION 33, TOWNSHIP 79 NORTH,
RANGE 26 WEST OF THE 5TH P.M. IN THE CITY OF
WAUKEE, DALLAS COUNTY IOWA, AND SAID PARCEL
CONTAINS APPROXIMATELY 1.94 ACRES.

ADDRESS:
1010 WARRIOR LANE
WAUKEE, IOWA
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

OWNER:
M & R HOLDINGS, LLC
15802 WILSON DR
URBANDALE, IOWA 50323
515-306-8990
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

SITE AREA:
13.75

INITIAL EROSION CONTROL
QUANTITIES:
ARE LUMP SUM BECAUSE THIS IS A LIVING DOCUMENT AND
THE QUANTITIES ARE PAID BY THE UNIT BASED ON NEED.

EROSION CONTROL NOTES:

- SEE SUPPLEMENTAL DETAIL STORM WATER POLLUTION PLAN
NARRATIVE FOR ALL EROSION CONTROL MEASURES. ADDITIONAL
DETAILS AND NOTE. ADDITIONAL NOTES AND MEASURES IN
NARRATIVE SHALL BE CONSIDERED INCIDENTAL AND SHALL BE
INCLUDED IN THE ORIGINAL BID.
- SWPPP PLAN AND NARRATIVE ARE CONSIDERED A LIVING
DOCUMENT AND WILL NEED PERIODIC UPDATES AND ADJUSTMENTS
AS NECESSARY DEPENDING ON SITE CONDITIONS TO ASSURE
COMPLIANCE WITH NPDES GENERAL PERMIT NO. 2. IT IS THE
CONTRACTOR'S RESPONSIBILITY TO UPDATE THE SWPPP AND
IMPLEMENT ANY AND ALL MEASURES NECESSARY TO COMPLY WITH
SAID PERMIT NO. 2.
- INSTALL PERIMETER SILT FENCE AS SHOWN ON PLANS PRIOR TO
CONSTRUCTION.
- INSTALL INTAKE PROTECTION WITH SILT FENCE IMMEDIATELY
AFTER STORM SEWER CONSTRUCTION.
- INSTALL FINISHED PAVING INLET PROTECTION IMMEDIATELY AFTER
PAVING IS COMPLETED AROUND INTAKE.
- OTHER EROSION CONTROL TYPES MAY NOT BE SUBSTITUTED FOR
SILT FENCE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A
CONCRETE WASHOUT IN ACCORDANCE WITH NPDES GENERAL
PERMIT NO. 2 AND SDQS SPECIFICATIONS DURING ALL CONCRETE
WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING
TEMPORARY RESTROOM FACILITIES. SANITARY WASTE SHALL BE
DISPOSED OF PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL
REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.
- ALL DISTURBED AREAS SHALL BE SEED WITH A SUBDIVISION MIX
FROM UNITED SEED OR EQUIVALENT.

EROSION CONTROL REMOVAL NOTES:

- AFTER FINAL STABILIZATION HAS OCCURRED, AS DEFINED IN NPDES
GENERAL PERMIT NO. 2, CONTRACTOR SHALL BE RESPONSIBLE
FOR THE REMOVAL OF ALL TEMPORARY EROSION CONTROL
DEVICES INCLUDING, BUT NOT LIMITED TO: SILT FENCE, INLET
PROTECTION, AND TEMPORARY STANDPIPES.

LEGEND:

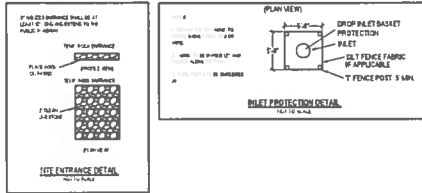
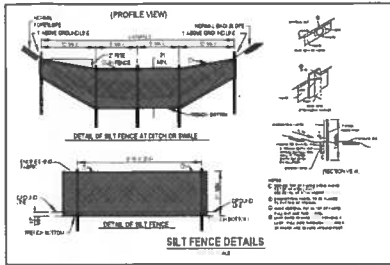
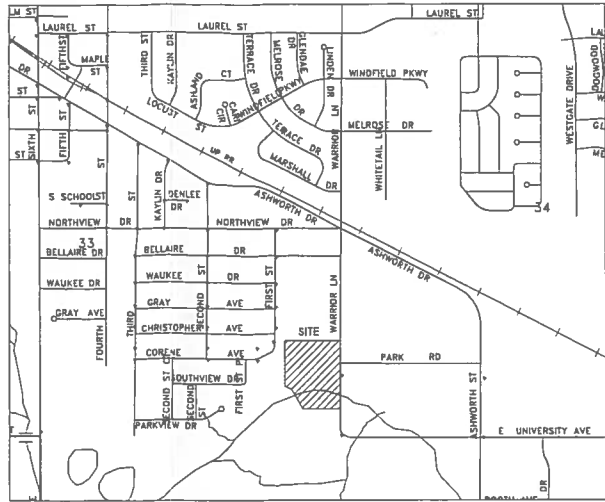
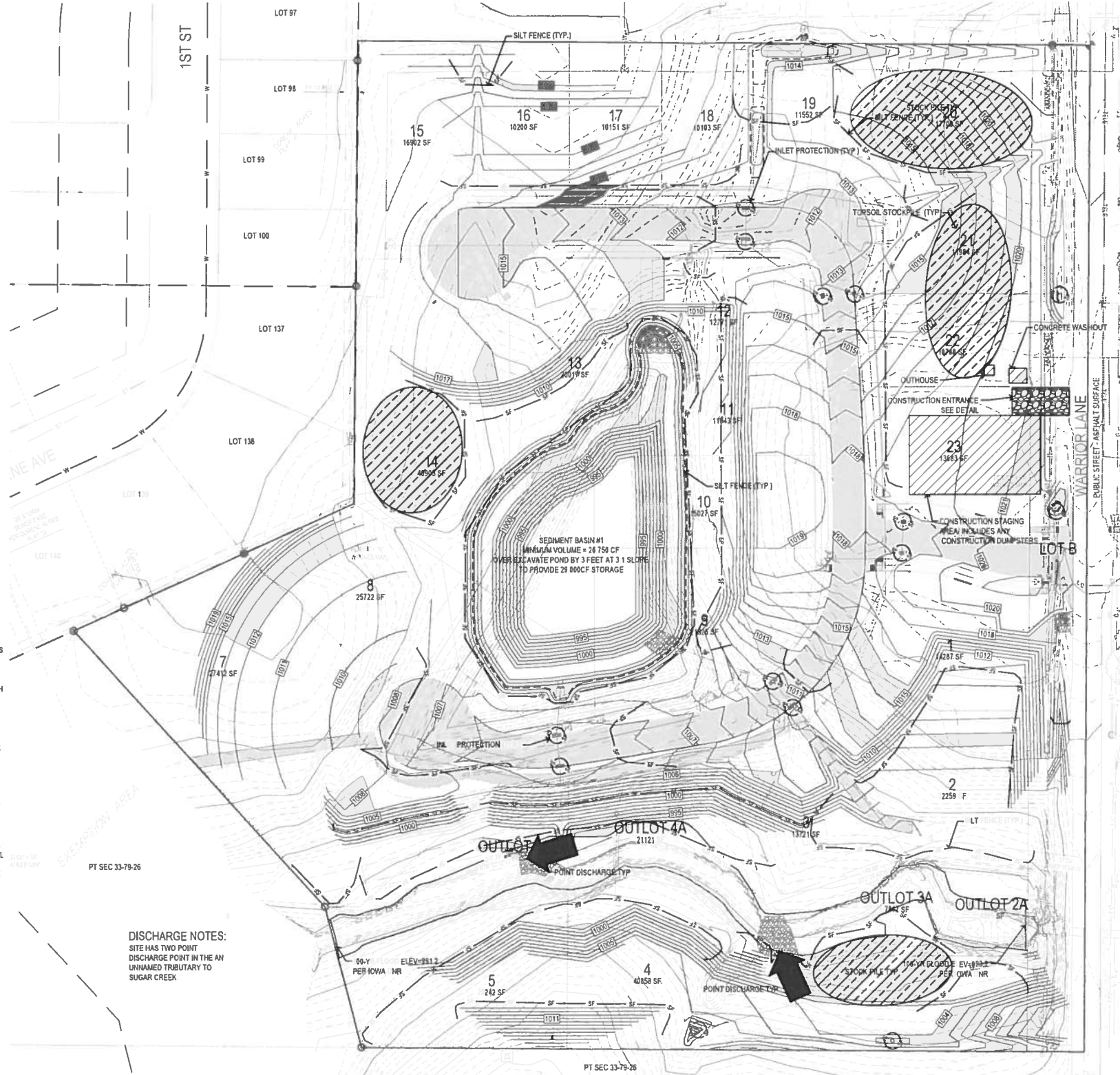
- SF SILT FENCE (TYP)
- 120 EXISTING CONTOUR
- 120 PROPOSED CONTOUR
- STABILIZED ENTRANCE 24"x36"x4"
DEEP 2" CLEAN CRUSHED ROCK
DRIVE ON GEOTEXTILE

DISTURBED AREA = 13 ACRES



UTILITY NOTE:

THE LOCATION OF THE UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM
EXISTING PUBLIC RECORDS AND ARE APPROXIMATE LOCATIONS. THE EXACT
LOCATIONS OF ALL UTILITIES MUST BE ASCERTAINED IN THE FIELD. IT SHALL BE
THE DUTY OF THE CONTRACTOR TO DETERMINE WHETHER ANY ADDITIONAL
FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.



SWPPP QUANTITIES:

QUANTITIES LISTED ARE FOR INITIAL PLAN ONLY.
ADDITIONAL QUANTITIES WILL BE NEEDED BASED ON
FIELD CONDITIONS.

SILT FENCE	5500 LF
SEDIMENT POND	1 LS
EROSION CONTROL SEEDING	15+ AC
ROCK ENTRANCE	1 LS
CONCRETE WAS OUTS	1 LS
INTAKE PROTECTION CONTROLS	17 EA

LEGEND:

- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE
- SAN - SANITARY SEWER
- ST - STORM SEWER
- W - WATER LINE
- G - GAS LINE
- UE - UNDERGROUND ELECTRIC
- O/E - OVERHEAD ELECTRIC
- TELE - TELEPHONE LINE
- FO - FIBER OPTIC
- CATV - CABLE TV
- STORM MANHOLE
- CURB INTAKE
- SURFACE INTAKE
- FLARED END SECTION
- SANITARY MANHOLE
- CLEANOUT
- FIRE HYDRANT
- SPRINKLER
- IRRIGATION CONTROL VALVE
- WATER MANHOLE
- WELL
- WATER VALVE
- WATER SHUT OFF
- YARD HYDRANT
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC RISER
- ELECTRIC VAULT
- POWER POLE
- TRANSFORMER POLE
- LIGHT POLE
- ELECTRIC JUNCTION BOX
- ELECTRIC PANEL
- TRANSFORMER
- GROUND LIGHT
- GUY WIRE
- ELECTRIC HANDHOLE
- GAS METER
- GAS VALVE
- AIR CONDITIONING UNIT
- TELEPHONE RISER
- TELEPHONE VAULT
- TELEPHONE MANHOLE
- TRAFFIC SIGNAL MANHOLE
- FIBER OPTIC RISER
- FIBER OPTIC FAULT
- CABLE TV RISER
- SIGN

Bishop Engineering

"Planning Your Successful Development"

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Des Moines, Iowa 50322-3925
Phone: (515) 276-4467 Fax: (515) 276-0217

Civil Engineering & Land Surveying

Established 1959

BRANDON'S RESERVE
1010 WARRIOR LANE, WAUKEE IA

SWPPP

REFERENCE NUMBER:

DRAWN BY:

EAV

CHECKED BY:

DBB

REVISION DATE:

2-19-16 1st SUBMITTAL

3-14-16 2ND SUBMITTAL

3-30-16 3rd SUBMITTAL

4-11-16

PROJECT NUMBER:

150351

SHEET NUMBER:

C7.1

STORM WATER POLLUTION PREVENTION PLAN

PROPERTY DESCRIPTION:
(WARRENTY DEED BOOK 2015, PAGE 16065)
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1562 WALDEN DR
URBANDALE, IOWA 50323
515-366-8990
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

SITE AREA:
13.75

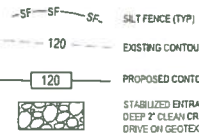
EROSION CONTROL NOTES:

- SEE SUPPLEMENTAL DETAIL, STORM WATER POLLUTION PLAN
NARRATIVE FOR ALL EROSION CONTROL MEASURES, ADDITIONAL
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- SWPPP PLAN AND NARRATIVE ARE CONSIDERED A LIVING
DOCUMENT AND WILL NEED PERIODIC UPDATES AND ADJUSTMENTS
AS NECESSARY DEPENDING ON SITE CONDITIONS TO ASSURE
COMPLIANCE WITH NPDES GENERAL PERMIT NO. 2. IT IS THE
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IMPLEMENT ANY AND ALL MEASURES NECESSARY TO COMPLY WITH
SAID PERMIT NO. 2.
- INSTALL PERIMETER SILT FENCE AS SHOWN ON PLANS PRIOR TO
CONSTRUCTION.
- INSTALL INTAKE PROTECTION WITH SILT FENCE IMMEDIATELY
AFTER STORM SEWER CONSTRUCTION.
- INSTALL FINISHED PAVING INLET PROTECTION IMMEDIATELY AFTER
PAVING IS COMPLETED AROUND INTAKE.
- OTHER EROSION CONTROL TYPES MAY NOT BE SUBSTITUTED FOR
SILT FENCE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A
CONCRETE WASHOUT IN ACCORDANCE WITH NPDES GENERAL
PERMIT NO. 2 DURING ALL CONCRETE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING
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DISPOSED OF PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL
REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.

EROSION CONTROL REMOVAL NOTES:

- AFTER FINAL STABILIZATION HAS OCCURRED, AS DEFINED IN NPDES
GENERAL PERMIT NO. 2, CONTRACTOR SHALL BE RESPONSIBLE
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PROTECTION, AND TEMPORARY STANDPIPES.

LEGEND:

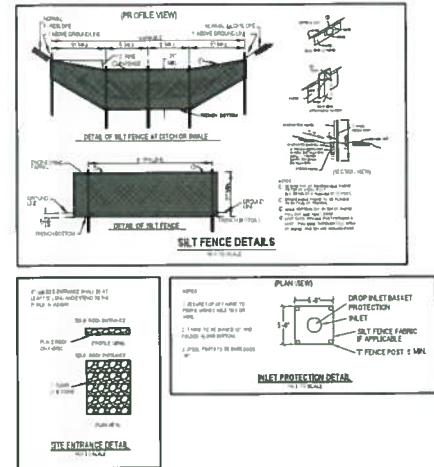
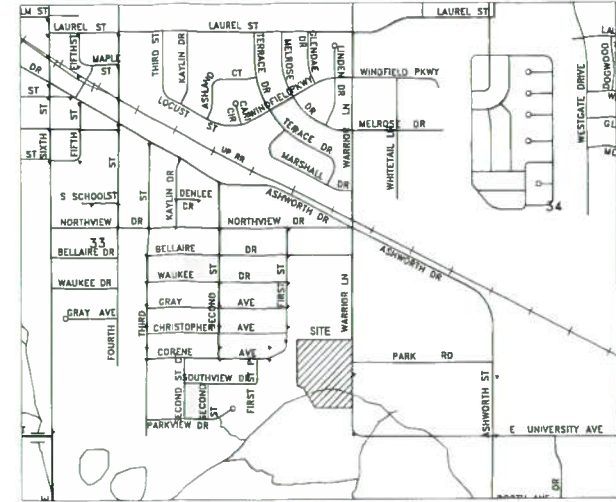
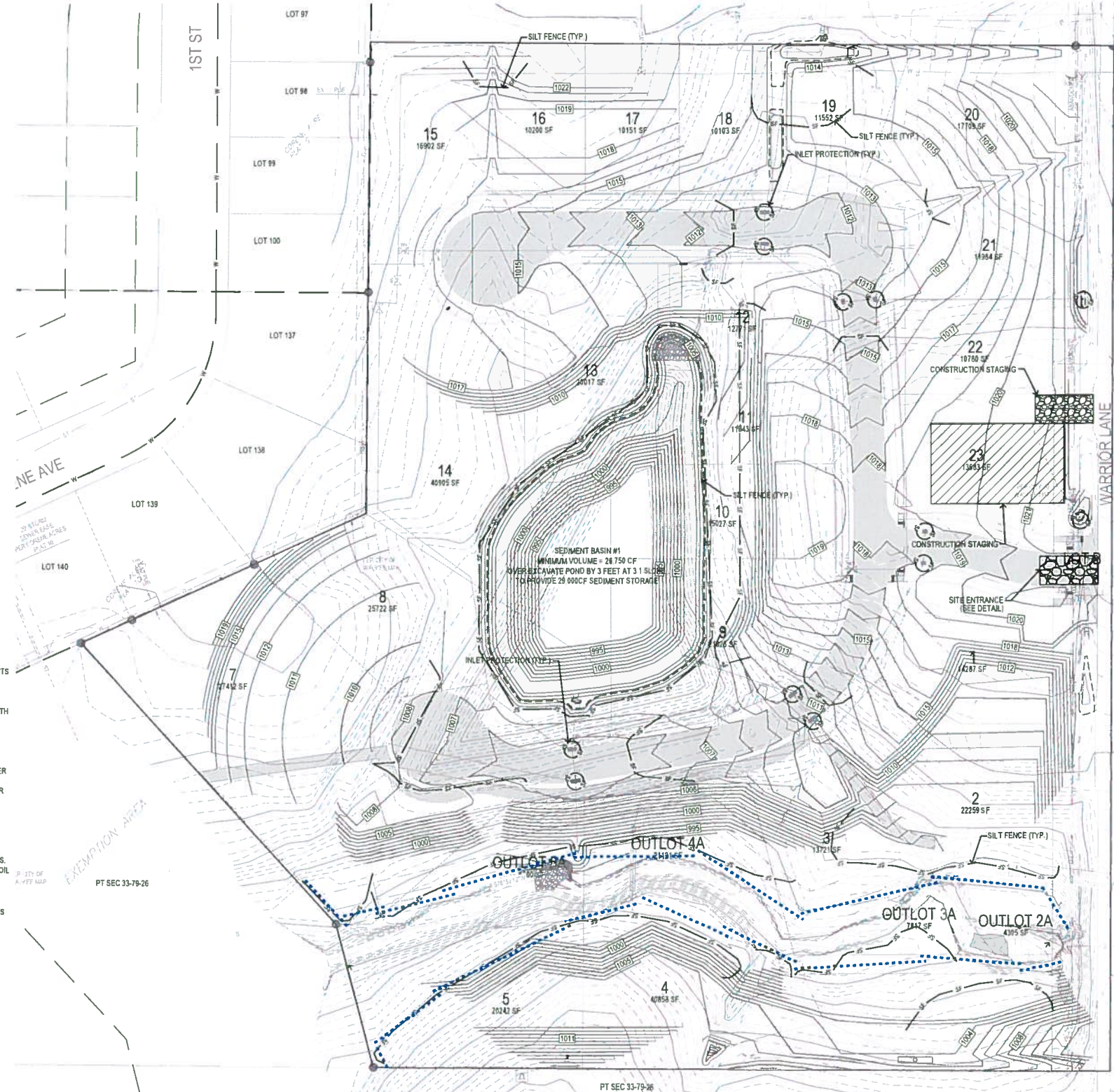


DISTURBED AREA = 10.2 ACRES



UTILITY NOTE:

THE LOCATION OF THE UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM
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FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.



SILT FENCE

LEGEND:

- | | |
|--------------------------|------------------------|
| EXISTING CONTOUR | YARD HYDRANT |
| PROPOSED CONTOUR | ELECTRIC MANHOLE |
| SILT FENCE | ELECTRIC METER |
| SAN | ELECTRIC RISER |
| ST | ELECTRIC VAULT |
| W | POWER POLE |
| G | TRANSFORMER POLE |
| UE | LIGHT POLE |
| OE | ELECTRIC JUNCTION BOX |
| TELE | ELECTRIC PANEL |
| FO | TRANSFORMER |
| CATV | GROUND LIGHT |
| STORM MANHOLE | GUY WIRE |
| CURB INTAKE | ELECTRIC HANDHOLE |
| SURFACE INTAKE | GAS METER |
| FLARED END SECTION | GAS VALVE |
| SANITARY MANHOLE | AIR CONDITIONING UNIT |
| CLEANOUT | TELEPHONE RISER |
| FIRE HYDRANT | TELEPHONE VAULT |
| SPRINKLER | TELEPHONE MANHOLE |
| IRRIGATION CONTROL VAULT | TRAFFIC SIGNAL MANHOLE |
| WATER MANHOLE | FIBER OPTIC RISER |
| WELL | FIBER OPTIC FAULT |
| WATER VALVE | CABLE TV RISER |
| WATER SHUT OFF | SIGN |



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Civil Engineering & Land Surveying

Established 1959

BRANDON'S RESERVE
1010 WARRIOR LANE, WAUKEE IA

SWPPP

REFERENCE NUMBER

DRAWN BY

EAV

CHECKED BY

DBB

REVISION DATE

2-19-16 1ST SUBMITAL

3-14-16 2ND SUBMITAL

PROJECT NUMBER

150351

SHEET NUMBER

C7.1

3/11/16

STORM WATER POLLUTION PREVENTION PLAN

PROPERTY DESCRIPTION:
(WARRENTY DEED BOOK 2015, PAGE 16665)
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE AND THE IOWA LAND
RECORDS WEB PAGE.

BEGINNING AT A POINT BEING 454.7 FEET N 0° 00' OF THE
SOUTHEAST CORNER OF SECTION 33, THENCE S 89° 59' W
958.2 FEET, THENCE N 0° 00' E 318.0 FEET, THENCE N 65°
10' E 363.6 FEET, THENCE N 0° 00' E 400.0 FEET, THENCE N
89° 59' E 636.7 FEET, THENCE S 0° 00' ALONG THE EAST
LINE OF THE SE 1/4 OF SECTION 33 AND ALONG THE
CENTERLINE OF EAST ROAD 870.0 FEET TO THE POINT OF
BEGINNING, ALL OF SAID PARCEL BEING IN THE SE 1/4 OF
SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF
THE 5TH P.M., DALLAS COUNTY, IOWA AND BEING IN AND
FORMING A PART OF THE TOWN OF WAUKEE, DALLAS
COUNTY, IOWA, SUBJECT TO AN EASEMENT FOR PUBLIC
HIGHWAY ON THE EAST 3/4 FEET THEREOF, AND EXCEPT
THE FOLLOWING DESCRIBED REAL ESTATE: BEGINNING
AT A POINT 454.7 FEET NORTH 0° 00' AND 627.2 FEET
SOUTH 89° 59' WEST OF THE SOUTHEAST CORNER OF
SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF
THE 5TH P.M., CITY OF WAUKEE, DALLAS COUNTY, IOWA,
THENCE SOUTH 89° 59' WEST 341.0 FEET, THENCE NORTH 0°
00' EAST 318.0 FEET, THENCE NORTH 65° 10' EAST 96.4
FEET, THENCE SOUTH 42° 55' EAST 322.52 FEET, THENCE
SOUTH 15° 15' EAST 128.49 FEET TO THE POINT OF
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THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER
(SE 1/4 SE 1/4) OF SECTION 33, TOWNSHIP 79 NORTH,
RANGE 26 WEST OF THE 5TH P.M., IN THE CITY OF
WAUKEE, DALLAS COUNTY, IOWA, AND SAID PARCEL
CONTAINS APPROXIMATELY 1.94 ACRES.

ADDRESS:
1010 WARRIOR LANE
WAUKEE, IOWA
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

OWNER:
M & R HOLDINGS, LLC
15602 WALDEN DR
URBANDALE, IOWA 50323
515-306-8090
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

SITE AREA:
13.75

EROSION CONTROL NOTES:

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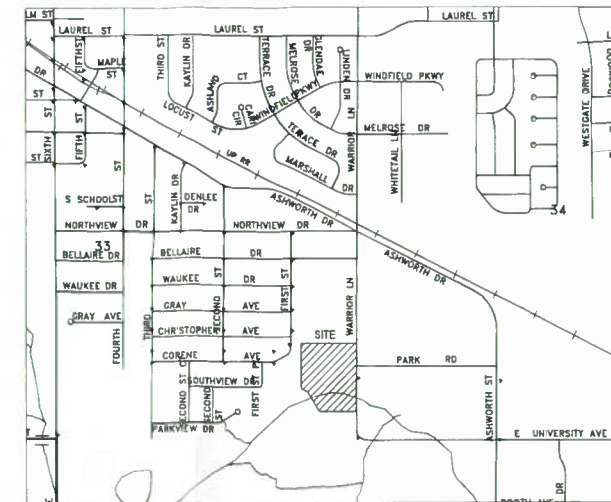
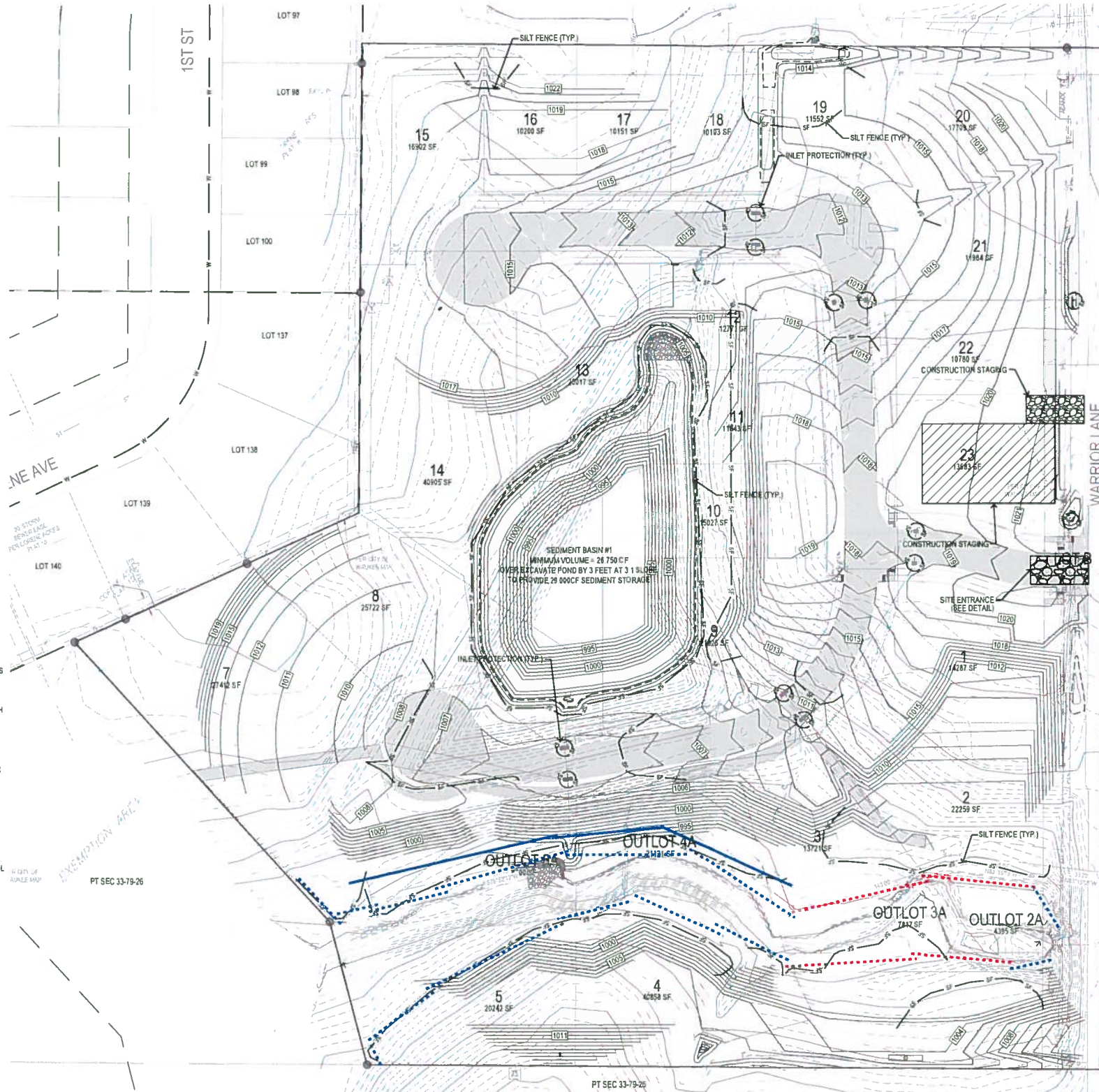
- SF-SF- SILT FENCE (TYP)
- 120 EXISTING CONTOUR
- 120 PROPOSED CONTOUR
- STABILIZED ENTRANCE 24X36" 4"
DEEP 2" CLEAN CRUSHED ROCK
DRIVE ON GEOTEXTILE

DISTURBED AREA = 10.2 ACRES

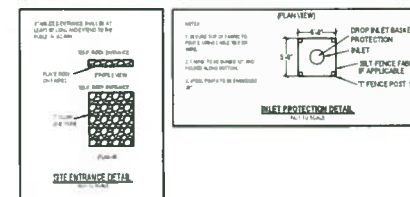
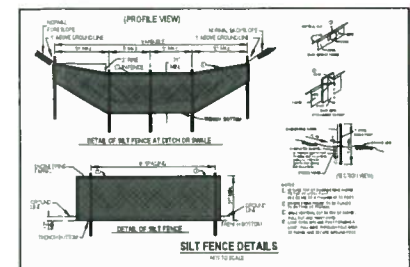


UTILITY NOTE:

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VICINITY MAP
SCALE 1" = 1,000'



LEGEND:

- 120 EXISTING CONTOUR
- 120 PROPOSED CONTOUR
- SF SILT FENCE
- SAW SANITARY SEWER
- ST STORM SEWER
- W WATER LINE
- G GAS LINE
- UE UNDERGROUND ELECTRIC
- O/E OVERHEAD ELECTRIC
- TELE TELEPHONE LINE
- FO FIBER OPTIC
- CATV CABLE TV
- SM STORM MANHOLE
- CI CURB INTAKE
- SI SURFACE INTAKE
- FE FLARED END SECTION
- SM SANITARY MANHOLE
- CL CLEANOUT
- FD FIRE HYDRANT
- SP SPRINKLER
- ICV IRRIGATION CONTROL VALVE
- WM WATER MANHOLE
- W WELL
- WV WATER VALVE
- WS WATER SHUT OFF
- YD YARD HYDRANT
- EM ELECTRIC MANHOLE
- EM ELECTRIC METER
- ER ELECTRIC RISER
- EV ELECTRIC VAULT
- PP POWER POLE
- TP TRANSFORMER POLE
- LP LIGHT POLE
- EP ELECTRIC JUNCTION BOX
- EP ELECTRIC PANEL
- TR TRANSFORMER
- GL GROUND LIGHT
- GW GUY WIRE
- EH ELECTRIC HANDHOLE
- GM GAS METER
- GV GAS VALVE
- AC AIR CONDITIONING UNIT
- TR TELEPHONE RISER
- TV TELEPHONE VAULT
- TM TELEPHONE MANHOLE
- TS TRAFFIC SIGNAL MANHOLE
- FR FIBER OPTIC RISER
- FF FIBER OPTIC FAULT
- CR CABLE TV RISER
- S SIGN



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REVISION DATE:

2-19-16 1ST SUBMITAL

3-14-16 2ND SUBMITAL

PROJECT NUMBER:

150351

SHEET NUMBER:

C7.1

SWPPP

5/6/16

STORM WATER POLLUTION PREVENTION PLAN

PROPERTY DESCRIPTION
(WARRANTY DEED BOOK 2015, PAGE 16085)
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE AND THE IOWA LAND
RECORDS WEB PAGE

BEGINNING AT A POINT BEING 454.7 FEET N 0°00' OF THE
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89° 59' E 636.7 FEET, THENCE S 0°00' ALONG THE EAST
LINE OF THE SE 1/4 OF SECTION 33 AND ALONG THE
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INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
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OWNER:
M & R HOLDINGS, LLC
15602 WILDEN DR
URBANDALE, IOWA 50323
515-306-8090
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

SITE AREA
13.75

**INITIAL EROSION CONTROL
QUANTITIES:**
ARE LUMP SUM BECAUSE THIS IS A LIVING DOCUMENT AND
THE QUANTITIES ARE PAID BY THE UNIT BASED ON NEED

- EROSION CONTROL NOTES:**
1. SEE SUPPLEMENTAL DETAIL STORM WATER POLLUTION PLAN
NARRATIVE FOR ALL EROSION CONTROL MEASURES, ADDITIONAL
DETAILS AND NOTE. ADDITIONAL NOTES AND MEASURES IN
NARRATIVE SHALL BE CONSIDERED INCIDENTAL AND SHALL BE
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 7. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A
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 8. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING
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 9. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL
REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.
 10. ALL DISTURBED AREAS SHALL BE SEED WITH A SUBDIVISION MIX
FROM UNITED SEED OR EQUIVALENT.

EROSION CONTROL REMOVAL NOTES:

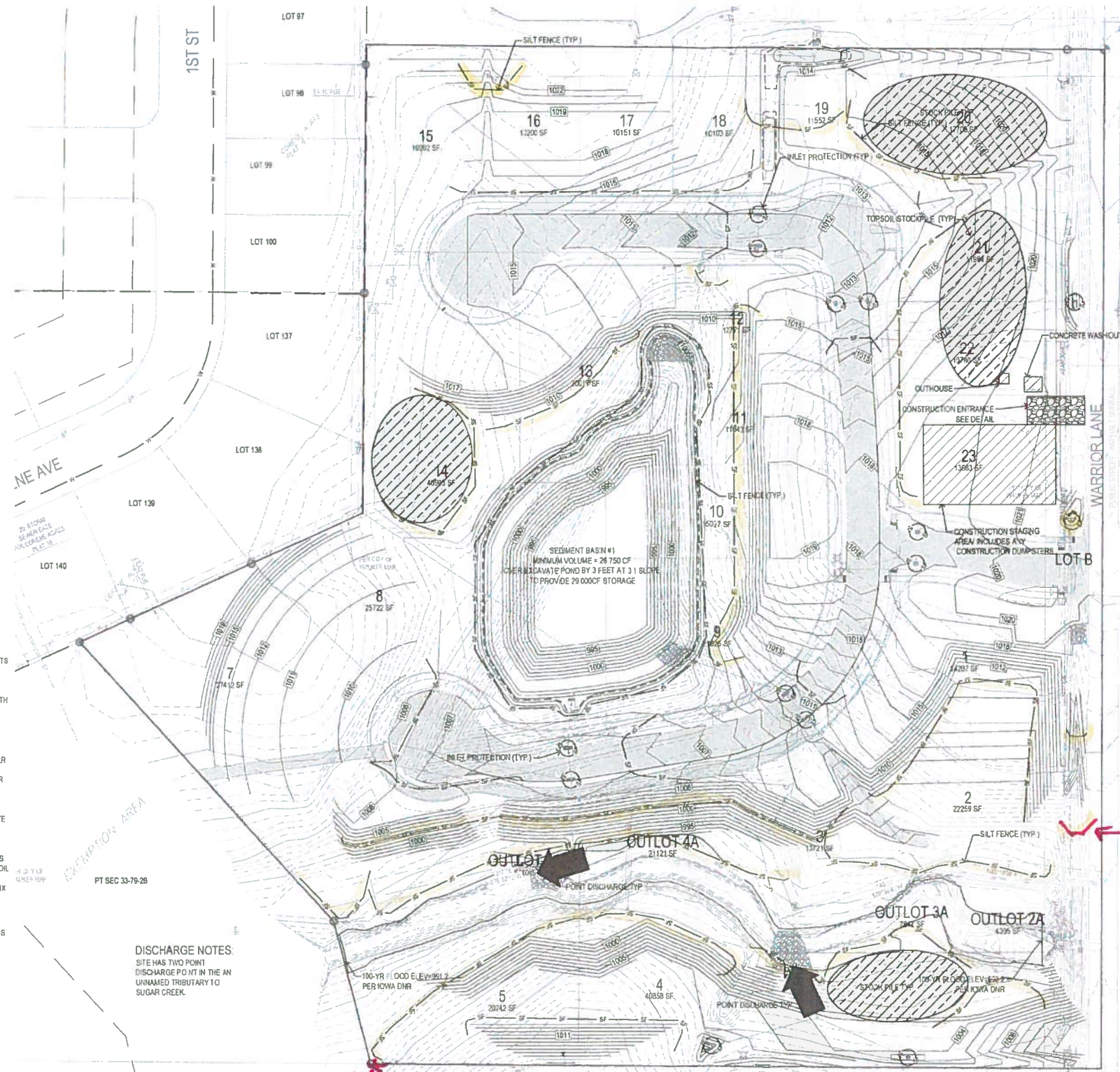
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PROTECTION, AND TEMPORARY STANDPIPES.

- LEGEND:**
- SF-SF- SC SILT FENCE (TYP)
 - 120 EXISTING CONTOUR
 - 120 PROPOSED CONTOUR
 - STABILIZED ENTRANCE 24"X50"X4"
DEEP 2" CLEAN CRUSHED ROCK
DRIVE ON GEOTEXTILE

DISTURBED AREA = 13 ACRES

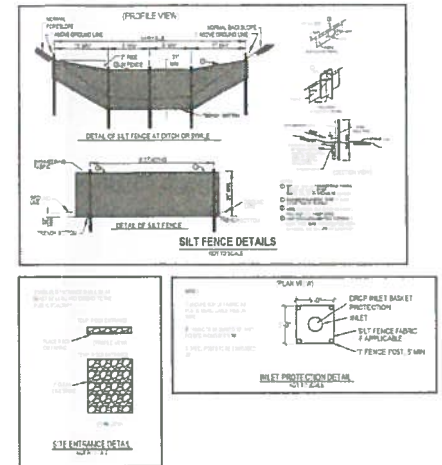
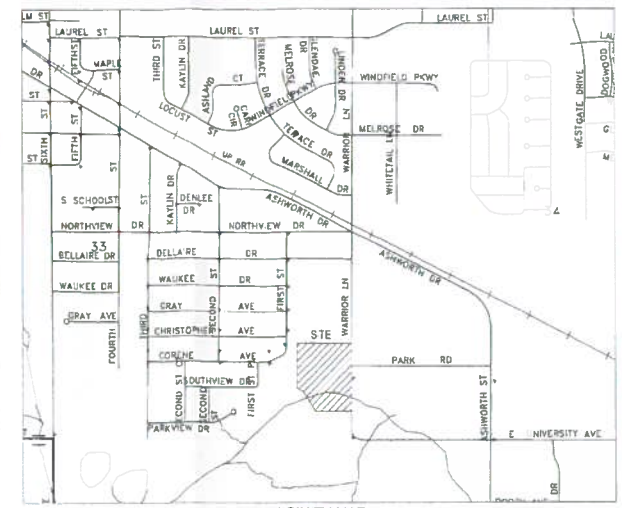
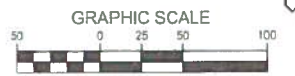


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DISCHARGE NOTES:
SITE HAS TWO POINT
DISCHARGE POINTS IN THE AN
UNPAVED TRIBUTARY TO
SUGAR CREEK.

*- ADD FENCE, Silt
Not Paved.
- Remove fence, Silt
That is Disturbed*



SWPPP QUANTITIES:
QUANTITIES LISTED ARE FOR INITIAL PLAN ONLY.
ADDITIONAL QUANTITIES WILL BE NEEDED BASED ON
FIELD CONDITIONS.

SILT FENCE	5500 LF
SEDIMENT POND	1 LS
EROSION CONTROL SEEDING	15+ AC
ROCK ENTRANCE	1 LS
CONCRETE WAS OUTS	1 LS
INTAKE PROTECTION CONTROLS	17 EA

- LEGEND:**
- 120- EXISTING CONTOUR
 - 120- PROPOSED CONTOUR
 - SF- SILT FENCE
 - SAN- SANITARY SEWER
 - ST- STORM SEWER
 - W- WATER LINE
 - G- GAS LINE
 - U/E- UNDERGROUND ELECTRIC
 - O/E- OVERHEAD ELECTRIC
 - TELE- TELEPHONE LINE
 - F/O- FIBER OPTIC
 - CATV- CABLE TV
 - STORM MANHOLE
 - CURB INTAKE
 - SURFACE INTAKE
 - FLARED END SECTION
 - SANITARY MANHOLE
 - CLEANOUT
 - FIRE HYDRANT
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 - IRRIGATION CONTROL VALVE
 - WATER MANHOLE
 - WELL
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 - GUY WIRE
 - ELECTRIC HANDHOLE
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SWPPP

REFERENCE NUMBER	
DRAWN BY:	EAV
CHECKED BY:	DBB
REVISION DATE:	2-19-16 1ST SUBMITTAL 3-14-16 2ND SUBMITTAL 3-30-16 3RD SUBMITTAL 4-11-16
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STORM WATER POLLUTION PREVENTION PLAN

PROPERTY DESCRIPTION:

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- SWPPP PLAN AND NARRATIVE ARE CONSIDERED A LIVING
DOCUMENT AND WILL NEED PERIODIC UPDATES AND ADJUSTMENTS
AS NECESSARY DEPENDING ON SITE CONDITIONS TO ASSURE
COMPLIANCE WITH NPDES GENERAL PERMIT NO. 2. IT IS THE
CONTRACTOR'S RESPONSIBILITY TO UPDATE THE SWPPP AND
IMPLEMENT ANY AND ALL MEASURES NECESSARY TO COMPLY WITH
SAID PERMIT NO. 2.
- INSTALL PERIMETER SILT FENCE AS SHOWN ON PLANS PRIOR TO
CONSTRUCTION.
- INSTALL INTAKE PROTECTION WITH SILT FENCE IMMEDIATELY
AFTER STORM SEWER CONSTRUCTION.
- INSTALL FINISHED PAVING INLET PROTECTION IMMEDIATELY AFTER
PAVING IS COMPLETED AROUND INTAKE.
- OTHER EROSION CONTROL TYPES MAY NOT BE SUBSTITUTED FOR
SILT FENCE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A
CONCRETE WASHOUT IN ACCORDANCE WITH NPDES GENERAL
PERMIT NO. 2 DURING ALL CONCRETE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING
TEMPORARY RESTROOM FACILITIES. SANITARY WASTE SHALL BE
DISPOSED OF PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL
REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.

EROSION CONTROL REMOVAL NOTES:

- AFTER FINAL STABILIZATION HAS OCCURRED AS DEFINED IN NPDES
GENERAL PERMIT NO. 2, CONTRACTOR SHALL BE RESPONSIBLE
FOR THE REMOVAL OF ALL TEMPORARY EROSION CONTROL
DEVICES INCLUDING BUT NOT LIMITED TO SILT FENCE, INLET
PROTECTION, AND TEMPORARY STANDPIPES.

LEGEND:

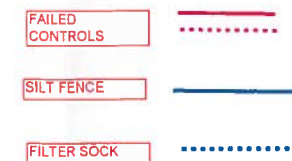
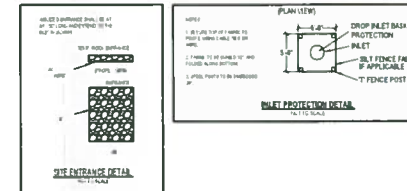
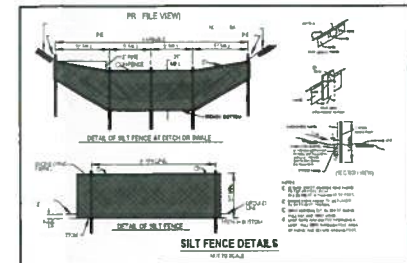
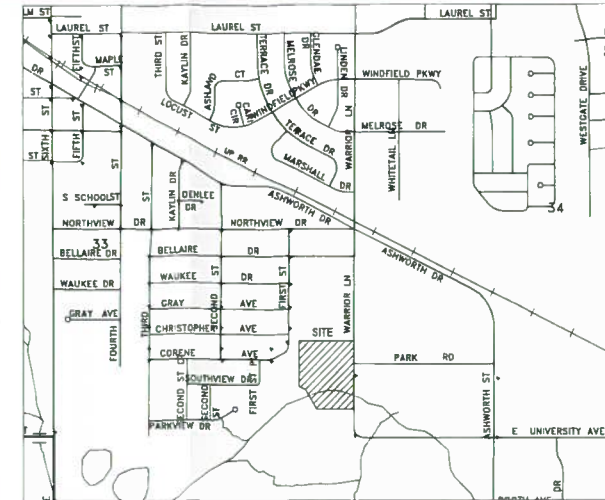
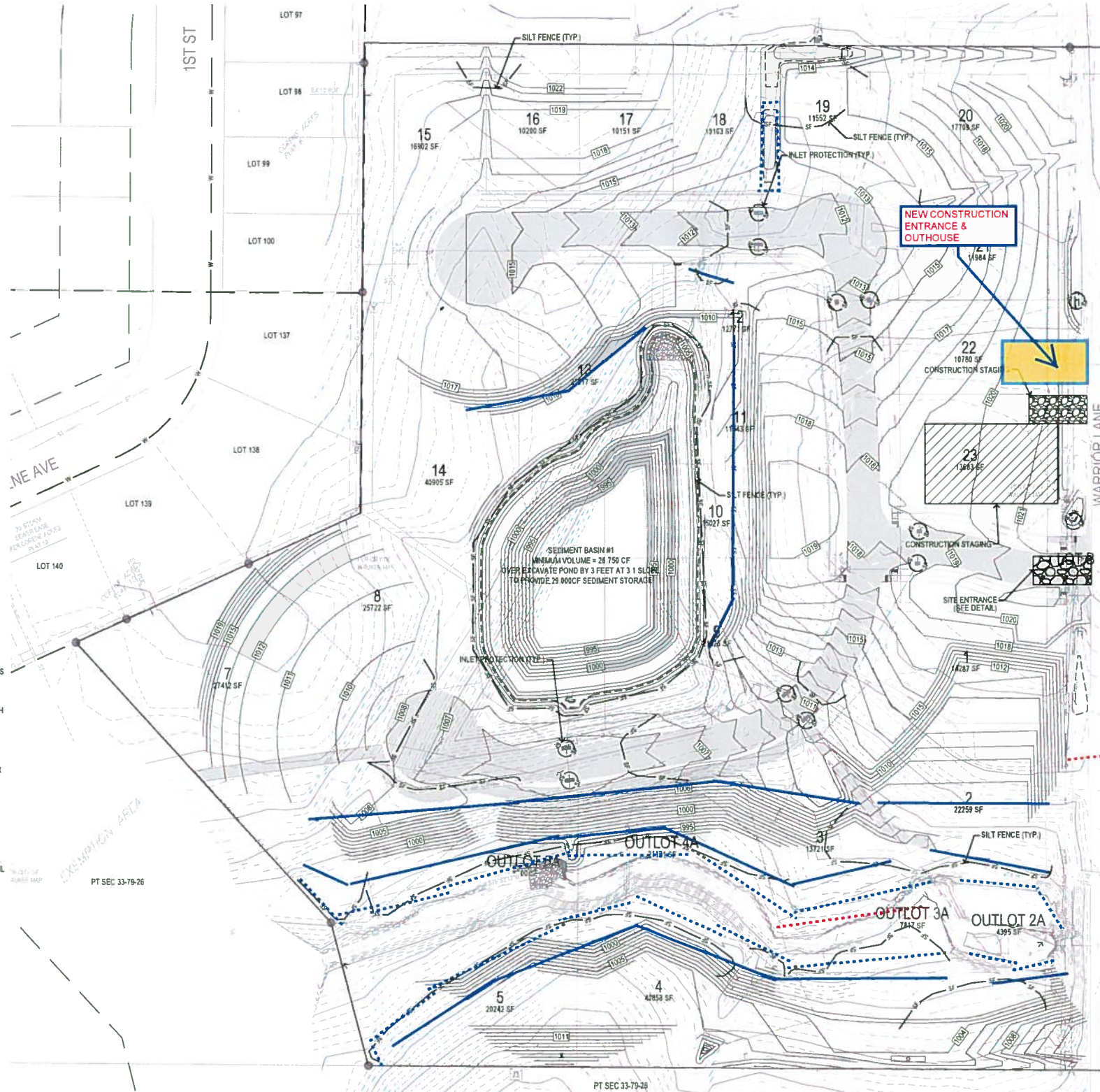
- SF- SF- SILT FENCE (TYP.)
- 120 - EXISTING CONTOUR
- 120 - PROPOSED CONTOUR
- STABILIZED ENTRANCE 2'x50'-6"
DEEP 2" CLEAN CRUSHED ROCK
DRIVE ON GEOTEXTILE

DISTURBED AREA = 10.2 ACRES



UTILITY NOTE:

THE LOCATION OF THE UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM
EXISTING PUBLIC RECORDS AND ARE APPROXIMATE LOCATIONS. THE EXACT
LOCATIONS OF ALL UTILITIES MUST BE ASCERTAINED IN THE FIELD. IT SHALL BE
THE DUTY OF THE CONTRACTOR TO DETERMINE WHETHER ANY ADDITIONAL
FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.



LEGEND:

- | | | |
|------|--------------------------|------------------------|
| 120 | EXISTING CONTOUR | YARD HYDRANT |
| 120 | PROPOSED CONTOUR | ELECTRIC MANHOLE |
| SF | SILT FENCE | ELECTRIC METER |
| SAN | SANITARY SEWER | ELECTRIC RISER |
| ST | STORM SEWER | ELECTRIC VAULT |
| W | WATER LINE | POWER POLE |
| G | GAS LINE | TRANSFORMER POLE |
| UE | UNDERGROUND ELECTRIC | LIGHT POLE |
| O/E | OVERHEAD ELECTRIC | ELECTRIC JUNCTION BOX |
| TELE | TELEPHONE LINE | ELECTRIC PANEL |
| FO | FIBER OPTIC | TRANSFORMER |
| CATV | CABLE TV | GROUND LIGHT |
| SM | STORM MANHOLE | GUY WIRE |
| CI | CURB INTAKE | ELECTRIC HANDHOLE |
| SI | SURFACE INTAKE | GAS METER |
| FE | FLARED END SECTION | GAS VALVE |
| SMH | SANITARY MANHOLE | AIR CONDITIONING UNIT |
| C | CLEANOUT | TELEPHONE RISER |
| FH | FIRE HYDRANT | TELEPHONE VAULT |
| S | SPRINKLER | TELEPHONE MANHOLE |
| ICV | IRRIGATION CONTROL VALVE | TRAFFIC SIGNAL MANHOLE |
| WM | WATER MANHOLE | FIBER OPTIC RISER |
| W | WELL | FIBER OPTIC FAULT |
| WV | WATER VALVE | CABLE TV RISER |
| WSO | WATER SHUT OFF | SIGN |

Bishop Engineering

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Phone: (515) 276-0467 Fax: (515) 276-0217

Civil Engineering & Land Surveying

Established 1959

BRANDON'S RESERVE
1010 WARRIOR LANE, WAUKEE IA

REFERENCE NUMBER:

DRAWN BY:

EAV

CHECKED BY:

DBB

REVISION DATE:

2-19-16 1ST SUBMITAL

3-14-16 2ND SUBMITAL

PROJECT NUMBER:

150351

SHEET NUMBER:

C7.1

SWPPP

STORM WATER POLLUTION PREVENTION PLAN

PROPERTY DESCRIPTION:

(WARRENTY DEED BOOK 2015, PAGE 16065)
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE AND THE IOWA LAND
RECORDS WEB PAGE.

BEGINNING AT A POINT BEING 454.7 FEET N 0° 00' OF THE
SOUTHEAST CORNER OF SECTION 33, THENCE S 89° 59' W
568.2 FEET, THENCE N 0° 00' E 318.0 FEET, THENCE N 65°
19' E 363.0 FEET, THENCE N 0° 00' E 400.0 FEET, THENCE N
89° 59' E 636.7 FEET, THENCE S 91° 00' ALONG THE EAST
LINE OF THE SE 1/4 OF SECTION 33 AND ALONG THE
CENTERLINE OF EAST ROAD 870.0 FEET TO THE POINT OF
BEGINNING, ALL OF SAID PARCEL BEING IN THE SE 1/4 OF
SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF
THE 5TH P.M., DALLAS COUNTY, IOWA AND BEING IN AND
FORMING A PART OF THE TOWN OF WAUKEE, DALLAS
COUNTY, IOWA, SUBJECT TO AN EASEMENT FOR PUBLIC
HIGHWAY ON THE EAST 33.0 FEET THEREOF, AND EXCEPT
THE FOLLOWING DESCRIBED REAL ESTATE, BEGINNING
AT A POINT 454.7 FEET NORTH 0° 00' AND 627.2 FEET
SOUTH 89° 59' WEST OF THE SOUTHEAST CORNER OF
SECTION 33, TOWNSHIP 79 NORTH, RANGE 26 WEST OF
THE 5TH P.M., CITY OF WAUKEE, DALLAS COUNTY, IOWA,
THENCE SOUTH 89° 59' WEST 341.0 FEET, THENCE NORTH 0°
00' EAST 318.0 FEET, THENCE NORTH 65° 19' EAST 36.4
FEET, THENCE SOUTH 42° 55' EAST 322.52 FEET, THENCE
SOUTH 15° 15' EAST 126.49 FEET TO THE POINT OF
BEGINNING, ALL OF SAID DESCRIBED PARCEL BEING IN THE
SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER
(SE 1/4 SE 1/4) OF SECTION 33, TOWNSHIP 79 NORTH,
RANGE 26 WEST OF THE 5TH P.M., IN THE CITY OF
WAUKEE, DALLAS COUNTY, IOWA, SAID PARCEL
CONTAINS APPROXIMATELY 1.94 ACRES.

ADDRESS:

1010 WARRIOR LANE
WAUKEE, IOWA
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

OWNER:

M & R HOLDINGS LLC
15602 WILSON DR
URBANDALE, IOWA 50333
515-305-8090
INFORMATION OBTAINED FROM DALLAS COUNTY OFFICE
OF THE ASSESSOR WEB PAGE

SITE AREA:

13.75

EROSION CONTROL NOTES:

1. SEE SUPPLEMENTAL DETAIL STORM WATER POLLUTION PLAN
NARRATIVE FOR ALL EROSION CONTROL MEASURES, ADDITIONAL
DETAILS AND NOTE. ADDITIONAL NOTES AND MEASURES IN
NARRATIVE SHALL BE CONSIDERED INCIDENTAL AND SHALL BE
INCLUDED IN THE ORIGINAL BID.
2. SWPPP PLAN AND NARRATIVE ARE CONSIDERED A LIVING
DOCUMENT AND WILL NEED PERIODIC UPDATES AND ADJUSTMENTS
AS NECESSARY DEPENDING ON SITE CONDITIONS TO ASSURE
COMPLIANCE WITH NPDES GENERAL PERMIT NO. 2. IT IS THE
CONTRACTOR'S RESPONSIBILITY TO UPDATE THE SWPPP AND
IMPLEMENT ANY AND ALL MEASURES NECESSARY TO COMPLY WITH
SAID PERMIT NO. 2.
3. INSTALL PERIMETER SILT FENCE AS SHOWN ON PLANS PRIOR TO
CONSTRUCTION.
4. INSTALL INTAKE PROTECTION WITH SILT FENCE IMMEDIATELY
AFTER STORM SEWER CONSTRUCTION.
5. INSTALL FINISHED PAVING INLET PROTECTION IMMEDIATELY AFTER
PAVING IS COMPLETED AROUND INTAKE.
6. OTHER EROSION CONTROL TYPES MAY NOT BE SUBSTITUTED FOR
SILT FENCE.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A
CONCRETE WASHOUT IN ACCORDANCE WITH NPDES GENERAL
PERMIT NO. 2 DURING ALL CONCRETE WORK.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING
TEMPORARY RESTROOM FACILITIES. SANITARY WASTE SHALL BE
DISPOSED OF PER ALL FEDERAL, STATE AND LOCAL REGULATIONS.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL TOPSOIL
REQUIREMENTS OF NPDES GENERAL PERMIT NO. 2 ARE MET.

EROSION CONTROL REMOVAL NOTES:

1. AFTER FINAL STABILIZATION HAS OCCURRED, AS DEFINED IN NPDES
GENERAL PERMIT NO. 2, CONTRACTOR SHALL BE RESPONSIBLE
FOR THE REMOVAL OF ALL TEMPORARY EROSION CONTROL
DEVICES INCLUDING, BUT NOT LIMITED TO, SILT FENCE, INLET
PROTECTION AND TEMPORARY STANDPIPES.

LEGEND:

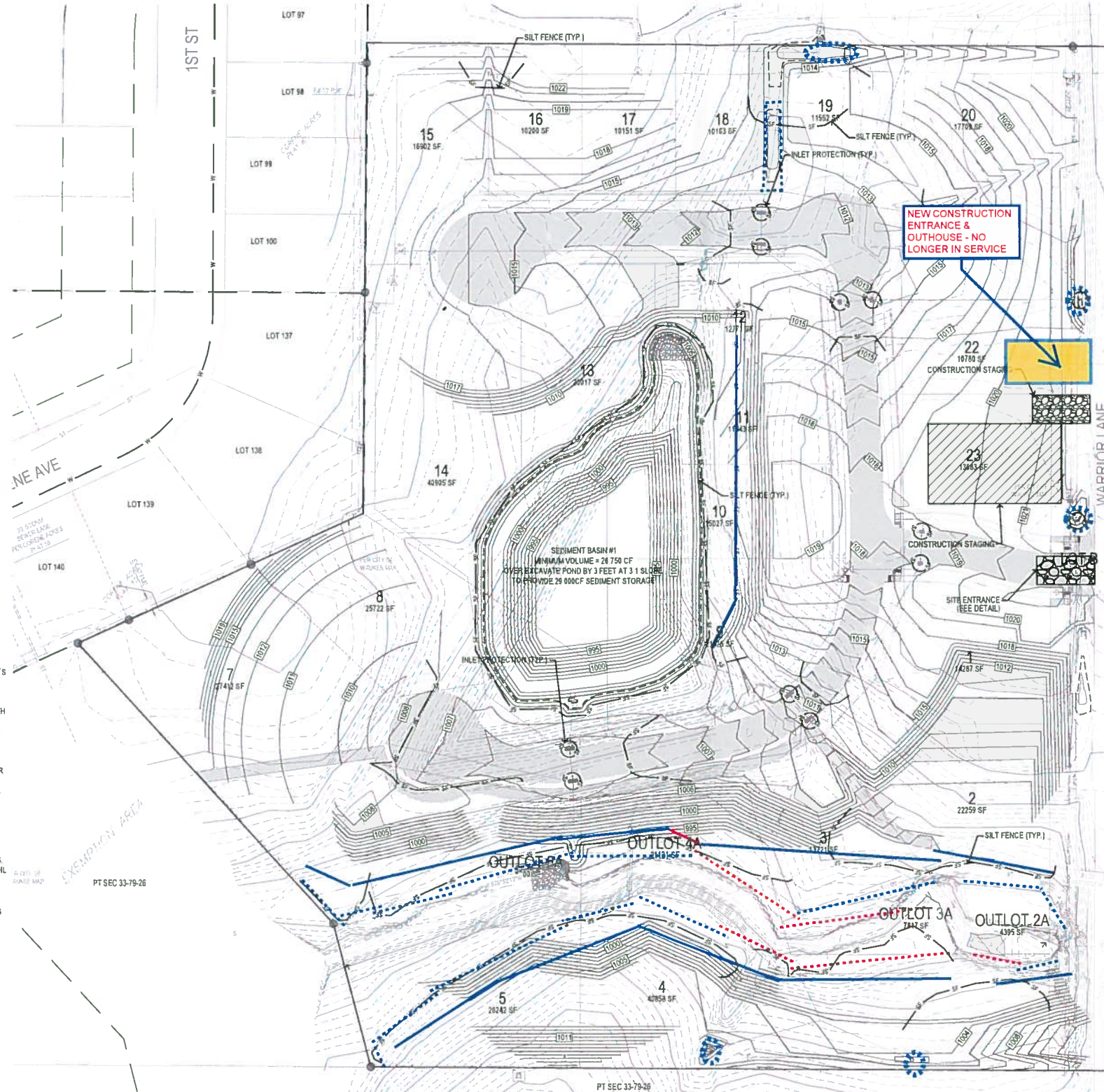
- SF- SF- SC SILT FENCE (TYP)
- 120- EXISTING CONTOUR
- 120- PROPOSED CONTOUR
- STABILIZED ENTRANCE 24"x50'-4"
DEEP 2" CLEAN CRUSHED ROCK
DRIVE ON GEOTEXTILE

DISTURBED AREA = 10.2 ACRES

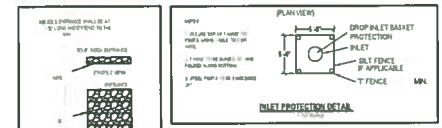
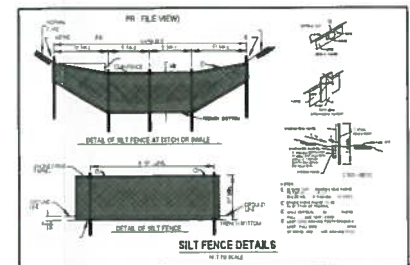


UTILITY NOTE:

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NEW CONSTRUCTION
ENTRANCE &
OUTHOUSE - NO
LONGER IN SERVICE

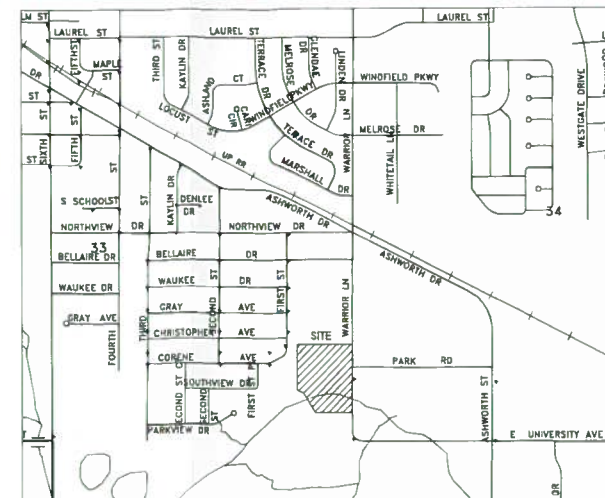


ALL BELOW
GRADE BACK OF
CURB INTAKES
HAVE
FUNCTIONING
SEDIMENT
BASKETS

- FAILED CONTROLS
- SILT FENCE
- FILTER SOCK

LEGEND:

- 120 EXISTING CONTOUR
- PROPOSED CONTOUR
- SF SILT FENCE
- SAH SANITARY SEWER
- ST STORM SEWER
- W WATER LINE
- G GAS LINE
- UE UNDERGROUND ELECTRIC
- O/E OVERHEAD ELECTRIC
- TELE TELEPHONE LINE
- F/O FIBER OPTIC
- CATV CABLE TV
- STORM MANHOLE
- CURB INTAKE
- SURFACE INTAKE
- FLARED END SECTION
- CLEANOUT
- FIRE HYDRANT
- SPRINKLER
- IRRIGATION CONTROL VALVE
- WATER MANHOLE
- WELL
- WATER VALVE
- WATER SHUT OFF
- YARD HYDRANT
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC RISER
- ELECTRIC VAULT
- POWER POLE
- TRANSFORMER POLE
- LIGHT POLE
- ELECTRIC JUNCTION BOX
- ELECTRIC PANEL
- TRANSFORMER
- GROUND LIGHT
- GUY WIRE
- ELECTRIC HANDHOLE
- GAS METER
- GAS VALVE
- AIR CONDITIONING UNIT
- TELEPHONE RISER
- TELEPHONE VAULT
- TELEPHONE MANHOLE
- TRAFFIC SIGNAL MANHOLE
- FIBER OPTIC RISER
- FIBER OPTIC FAULT
- CABLE TV RISER
- IGN



VICINITY MAP
SCALE 1" = 1000'

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Phone: (515) 276-0467 Fax: (515) 276-0217

Civil Engineering & Land Surveying Established 1959

BRANDON'S RESERVE
1010 WARRIOR LANE, WAUKEE IA

SWPPP

REFERENCE NUMBER:

DRAWN BY:

EAV

CHECKED BY:

DOB

REVISION DATE:

2-19-16 1ST SUBMITAL

3-14-16 2ND SUBMITAL

PROJECT NUMBER:

150351

SHEET NUMBER:

C7.1

10/12/16

Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
1/29/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES	NO	COMPLIANCE STATEMENTS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sedimentation basins have been installed correctly and constructed according to the plans.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Material storage and fueling areas are free of spills or leaks
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Appropriate measures have been taken to control dust
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Storm water discharge points are free of any noticeable pollutant discharge

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

**MAINTENANCE
MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

**MAINTENANCE
MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: Controls need to be place per the SWPPP sheets. There are no controls, no construction entrance.
2	Note Item: Clearing currently taking place, trees are being mulched on site. We suggest spreading the mulch to stabilize areas around the creek on the south extent and the along warrior lane drainage channel.
3	Note Item:
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

1/29/2016 Weekly

DATE

Controls needed on southern extent along creek



Rocked construction entrance needed.



Controls needed on entire site. Drainage swale by warrior





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
2/5/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall
0%	% Sanitary Sewer
0%	% Storm Sewer
0%	% Other

0%	% Paving
0%	% Seeding / Landscaping
0%	% Water
15%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: No controls exist on site. We suggest all controls be installed according to SWPPP as soon as feasible
2	Note Item: snow has stabilized the site with the material under frozen.
3	Note Item:
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

2/5/2016 Weekly

DATE







Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
2/12/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
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General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall
0%	% Sanitary Sewer
0%	% Storm Sewer
0%	% Other

0%	% Paving
0%	% Seeding / Landscaping
0%	% Water
10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: No controls exist on site. We suggest all controls be installed according to SWPPP as soon as feasible
2	Note Item: snow has stabilized the site with the material under frozen.
3	Note Item: No new work again this week. Site remains stabilized due to snow cover.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

2/12/2016 Weekly

DATE

South channel



No trackout





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
2/18/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall
0%	% Sanitary Sewer
0%	% Storm Sewer
0%	% Other

0%	% Paving
0%	% Seeding / Landscaping
0%	% Water
10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO**MAINTENANCE****MEASURE**

- ☐ ☒ Stabilized Construction Entrance
- ☐ ☒ Temporary or Permanent Seeding
- ☐ ☒ Dust Suppression
- ☐ ☒ Sedimentation Basin outlets and Risers
- ☐ ☒ Street/ Parking Cleaning

YES NO**MAINTENANCE****MEASURE**

- ☐ ☒ Silt Fence
- ☐ ☒ Other Erosion Controls
- ☐ ☒ Inlet Protection
- ☐ ☒ Sedimentation Basins
- ☐ ☒ Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: No controls exist on site. We suggest all controls be installed according to SWPPP as soon as feasible
2	Note Item: snow melt has occurred. Most material still experiencing frost.
3	Note Item: No new work this week.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

2/18/2016 Weekly

DATE

Const entrance. Needs rock installed.



Main discharge



Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
2/26/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: No controls exist on site. We suggest all controls be installed according to SWPPP as soon as feasible
2	Note Item: snow melt has occurred. Most material still experiencing frost.
3	Note Item: No new work this week.
4	Note Item: Erosion contractor stated that both sides of main discharge channel will have filter socks installed as soon as the site will accommodate heavy machinery.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

2/26/2016 Weekly

DATE

MAin channel



No new work or trackout this week. Still recommend instillation of Const entrance



Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
3/4/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: We suggest all controls be installed according to SWPPP as soon as feasible. Also suggest dumpster be located on site, refuse piled up in-contained on site.
2	Note Item:
3	Note Item: No new work this week.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

3/4/2016 Weekly

DATE

Filter sock added to both sides of main channel.





Un-contained refuse







Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
3/11/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: We suggest all controls be installed according to SWPPP as soon as feasible. Also suggest dumpster be located on site, refuse piled up in-contained on site.
2	Note Item:
3	Note Item: wood chipping continues today.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

3/11/2016 Weekly

DATE

Filter sock added to both sides of main channel.



Un-contained refuse



Recommend rocked Const entrance

BRANDONS RESERVE



Pond outfall socks



Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
3/18/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

YES NO

MAINTENANCE

MEASURE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: dumpster added, however refuse still exists on site un-contained. Some new equipment on site today.
3	Note Item: rocked construction entrance needs to be installed along with other controls defined by the SWPPP. Only controls are the ones that exist along main discharge channel banks on either side.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

3/18/2016 Weekly

DATE

Filter sock added to both sides of main channel.



Trash enclosure now on site. Trash still exists uncontained



Const entrance. We suggest adding more rock



Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
3/25/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall
0%	% Sanitary Sewer
0%	% Storm Sewer
0%	% Other

0%	% Paving
0%	% Seeding / Landscaping
0%	% Water
10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO**MAINTENANCE****YES NO****MAINTENANCE****MEASURE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: Some more clearing has taken place in the last week.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

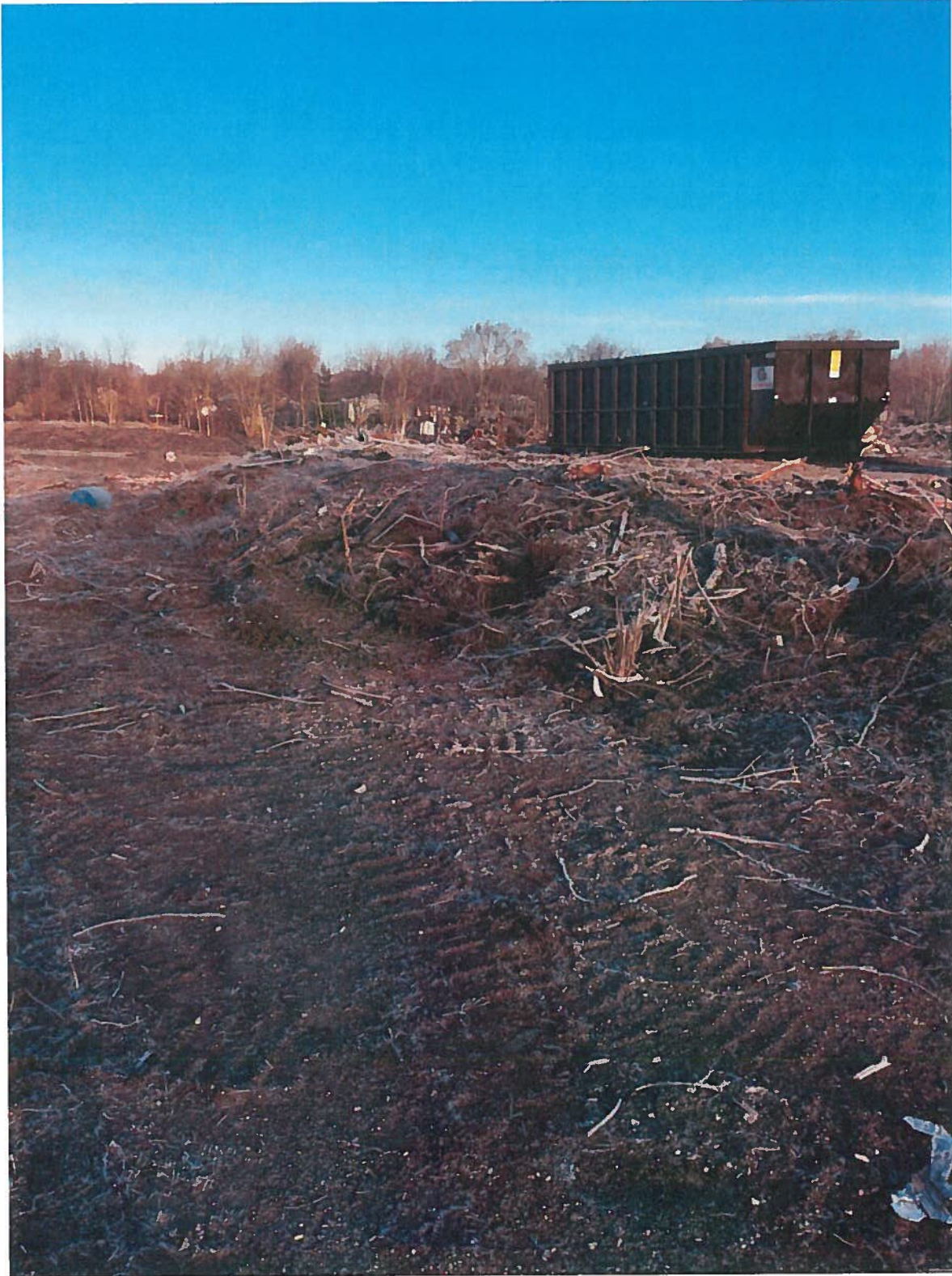
3/25/2016 Weekly

DATE

Filter sock added to both sides of main channel.



Trash enclosure now on site. Trash still exists uncontained



Const entrance. We suggest adding more rock





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
4/1/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBAN DALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBAN DALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

20%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: A temporary crossing has been constructed across the main channel on the south side of the development. This crossing is not represented on the construction or SWPPP plans and does not appear to be an accepted standard construction crossing. Contractor should be aware that proper permitting is required for such crossings.
2	Note Item: Tree stumps are being removed and grading continues.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. Trackout noticed today as no new rock has been installed for a construction entrance.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/1/2016 Weekly

DATE

Some trackout today due to lack of construction entrance



Causeway has been implemented in the water way of the State.



Grading work has been done in the last week







Dumpster





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
4/6/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall
0%	% Sanitary Sewer
0%	% Storm Sewer
0%	% Other

0%	% Paving
0%	% Seeding / Landscaping
0%	% Water
10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: No activity today.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/6/2016 Weekly

DATE



C











Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
4/16/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

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General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: export of mulch being conducted today. South limit has been cleared.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/16/2016 Weekly

DATE

Failed sock. All controls along channel need to be fixed or replaced.



Rock check not installed properly



Pond has been drained





Pond drainage channel.



Fence behind dam



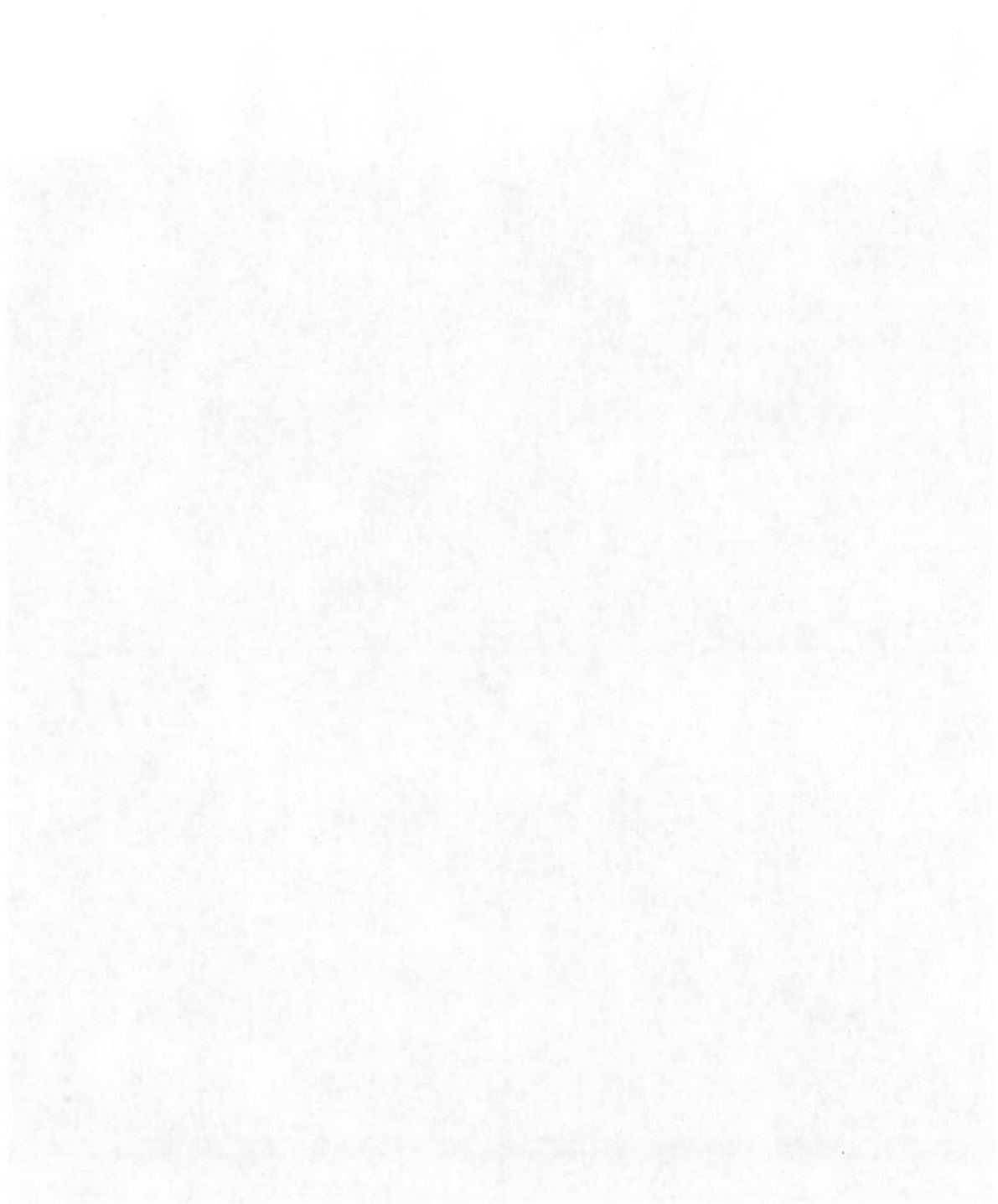


Wetland has been graded



North wetland





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
4/22/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBAN DALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBAN DALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: South limit has been cleared. Boulders and erosion stone have been stockpiled.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/22/2016 Weekly

DATE

Causeway across channel





Clean construction entrance



Rip rap stockpile



(Should be 4/29/2016
↓
RMG)

Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
4/22/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

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General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

0%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	10%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
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| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: South limit has been cleared. Boulders and erosion stone have been stockpiled.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and 1/3 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/22/2016 Weekly

DATE

Causeway across channel





Pond outfall riprap





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
5/6/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

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General Contractor – TBD

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WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading has begun today.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and 1/3 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

5/6/2016 Weekly

DATE

Causeway across channel



Pond outfall rip rap



Grading being conducted today





West extent of discharge channel fence and sock



Wet land



Wetland



Construction entrance



Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
5/13/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

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General Contractor – TBD

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WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues today.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and 1/3 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

5/13/2016 Weekly

DATE



Pond outfall riprap check



Grading continues





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
5/18/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

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WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

**MAINTENANCE
MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

**MAINTENANCE
MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues today.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and 1/3 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

5/18/2016 Weekly

DATE

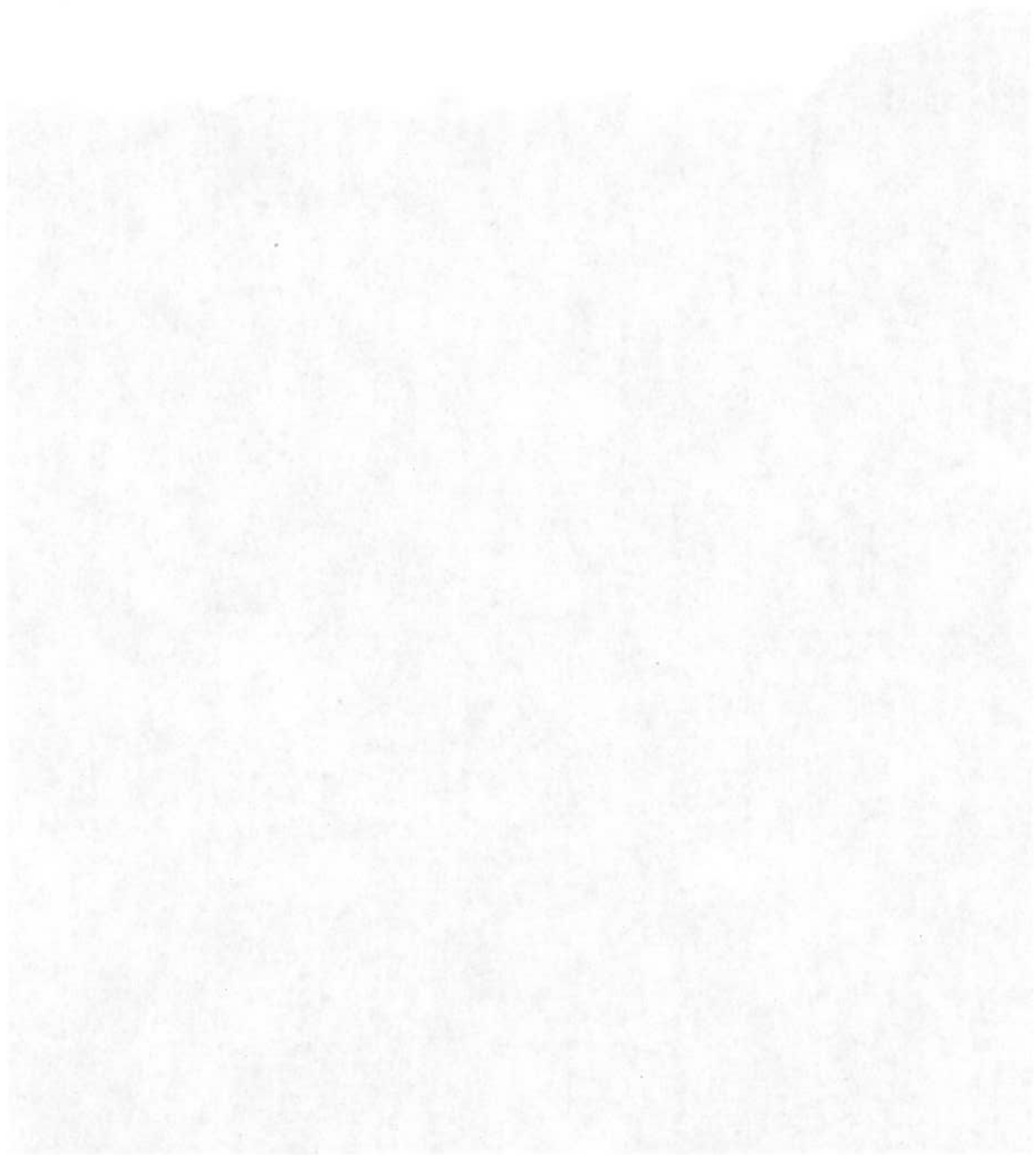












Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
5/27/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: rocked construction entrance has been added in one location. The only controls that exist are around the discharge channel, and the east ½ need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed. Per city of Waukeg, the causeway over the channel needs to be removed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

5/27/2016 Weekly

DATE

Causeway



New structures



Street clean today





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
6/10/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall
0%	% Sanitary Sewer
0%	% Storm Sewer
0%	% Other

0%	% Paving
0%	% Seeding / Landscaping
0%	% Water
80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and the east ½ need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed. Per city of Waukee, the causeway over the channel needs to be removed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

6/10/2016 Weekly

DATE

New controls around main discharge channel



New fence



New fence around stockpile



New fence around stockpile



Construction entrance



New ditch wattles





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
6/17/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

6/17/2016 Weekly

DATE

Construction entrance









Sanitary crossing



Silt fence north of channel west of sanitary crossing





South Extent of construction site



Alice's road frontage swale wattle



Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
6/23/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

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10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

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YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

6/23/2016 Weekly

DATE

Alice's road frontage swale wattle



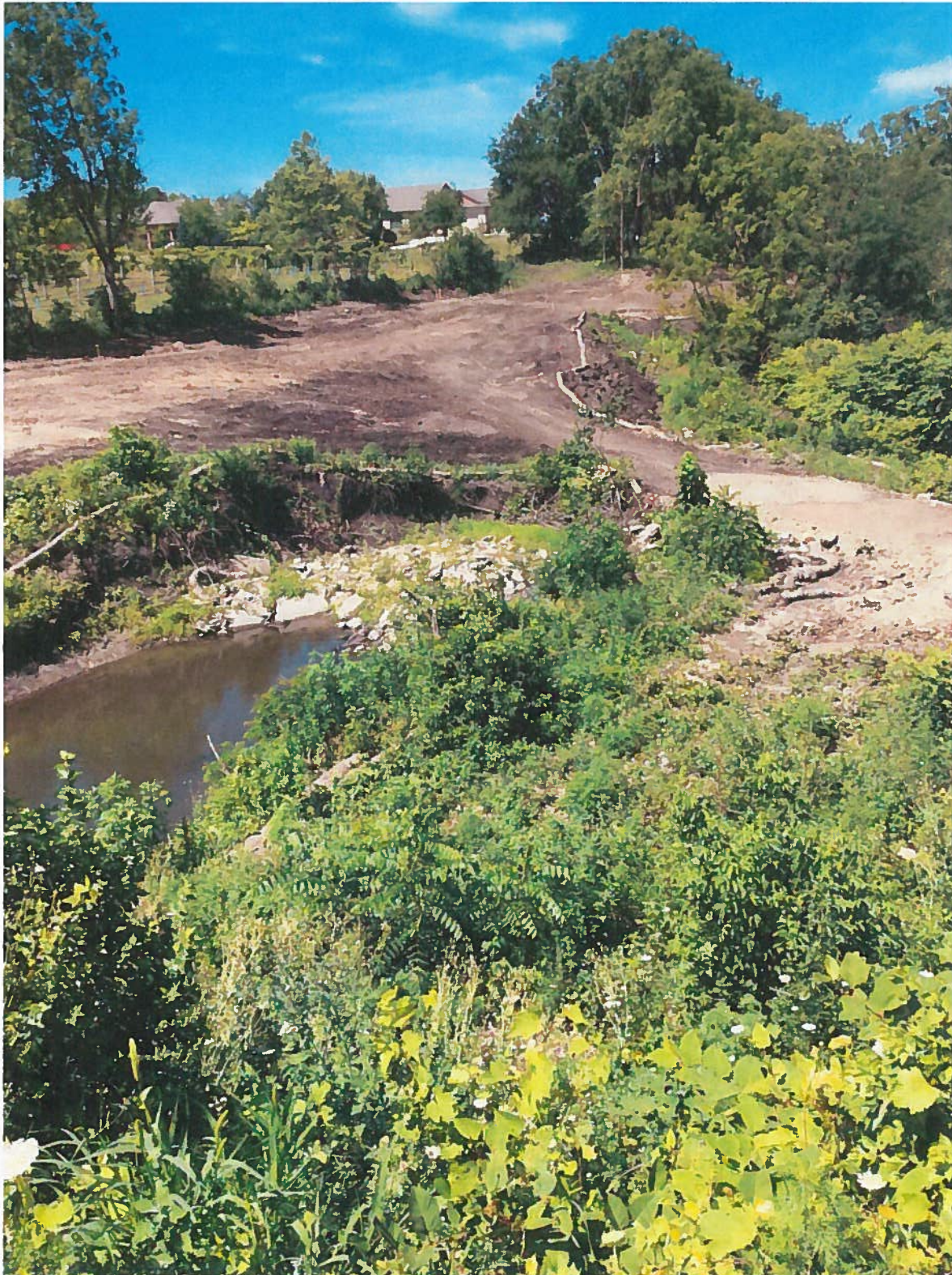
Const entrance



Contaminant container











Recommend new rock at nor construct entrance



Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
7/14/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES	NO	COMPLIANCE STATEMENTS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sedimentation basins have been installed correctly and constructed according to the plans.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Material storage and fueling areas are free of spills or leaks
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Appropriate measures have been taken to control dust
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Storm water discharge points are free of any noticeable pollutant discharge

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

7/14/2016 Weekly

DATE



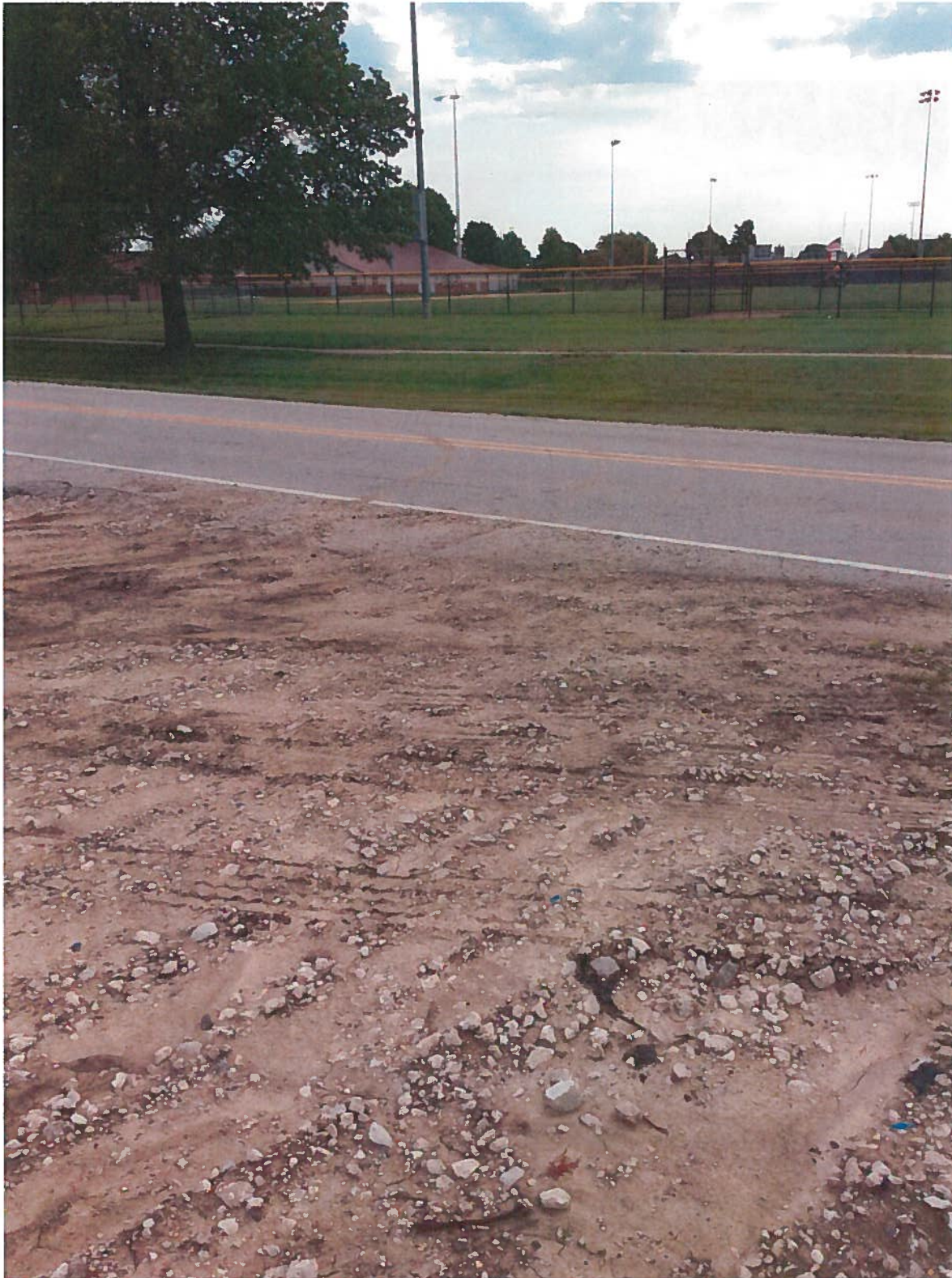














Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
7/22/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
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General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall
0%	% Sanitary Sewer
0%	% Storm Sewer
0%	% Other

0%	% Paving
0%	% Seeding / Landscaping
0%	% Water
80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
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| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

7/22/2016 Weekly

DATE

Man discharge channel















Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
7/29/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO**MAINTENANCE
MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO**MAINTENANCE
MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

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5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

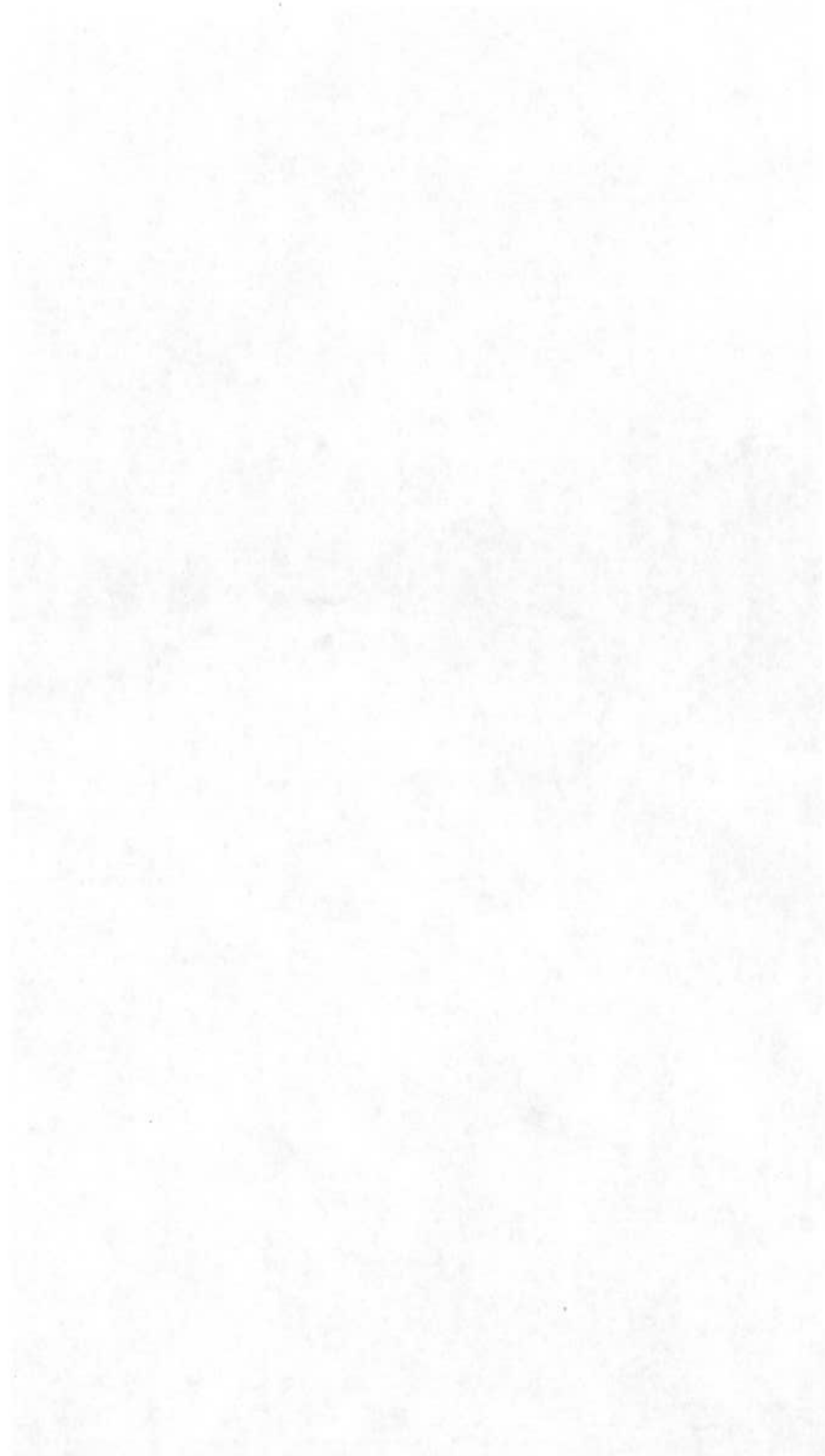
7/29/2016 Weekly

DATE

1200LF OF SILT FENCE INSTALLED ALONG MAIN DISCHARGE CHANNEL THIS WEEK. MORE FENCE TO FOLLOW WHEN THE FES OUTFALL HAS BEEN FULLY INSTALLED AND BACKFILLED.

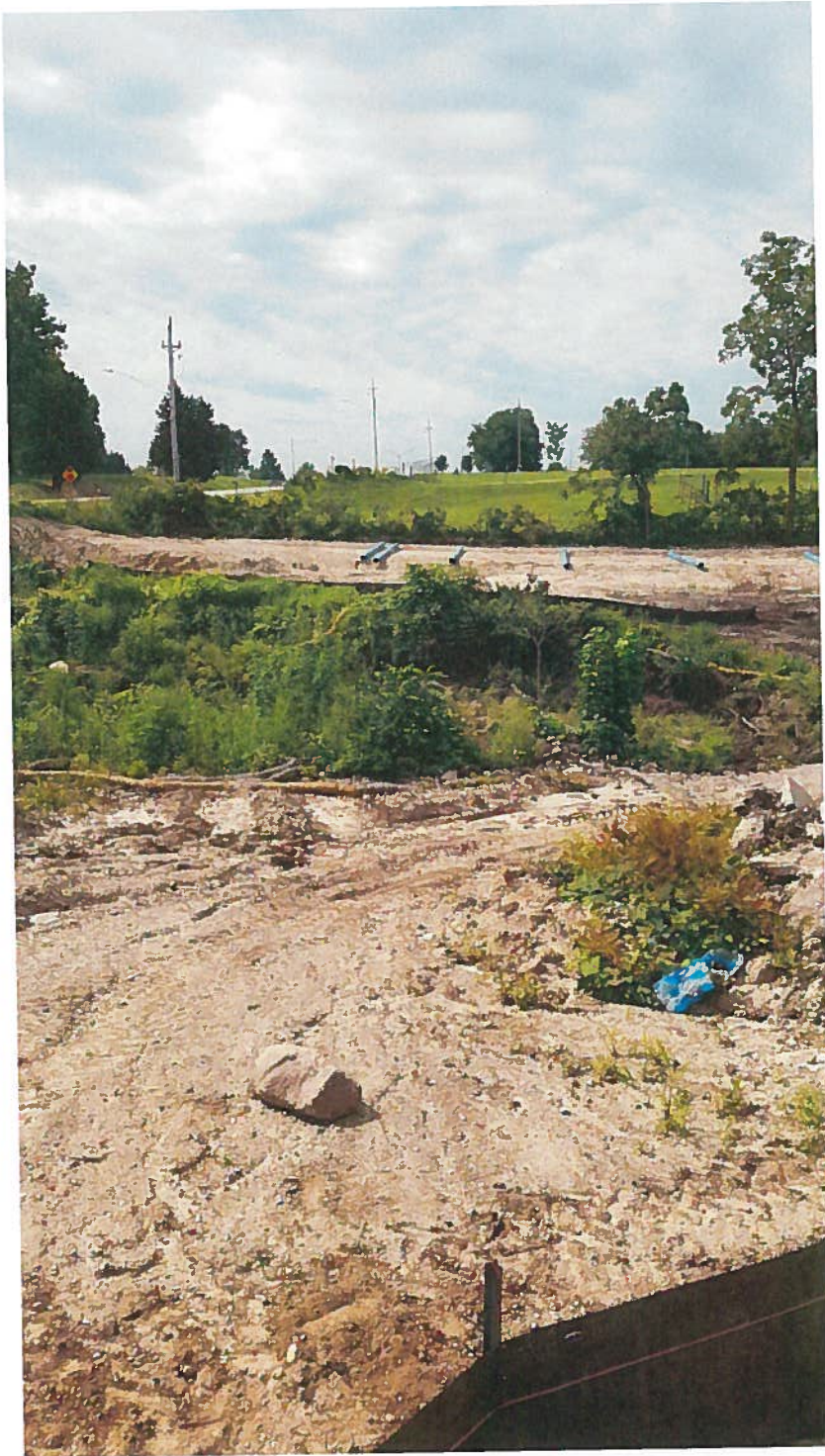


1. The proposed development is located on a steep slope and is subject to erosion control measures. The proposed development is located on a steep slope and is subject to erosion control measures.









Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
8/5/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
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5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

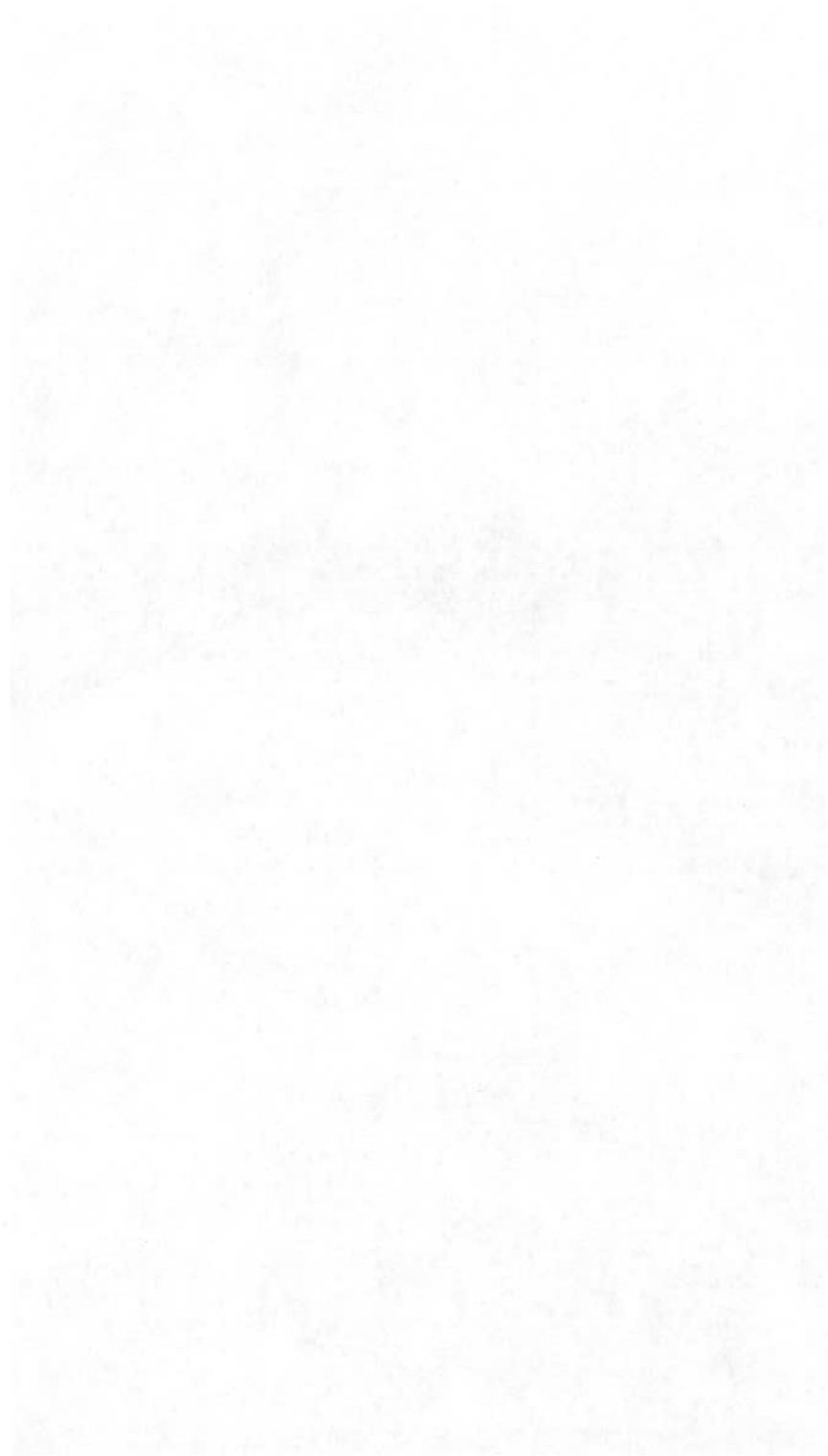
8/5/2016 Weekly

DATE

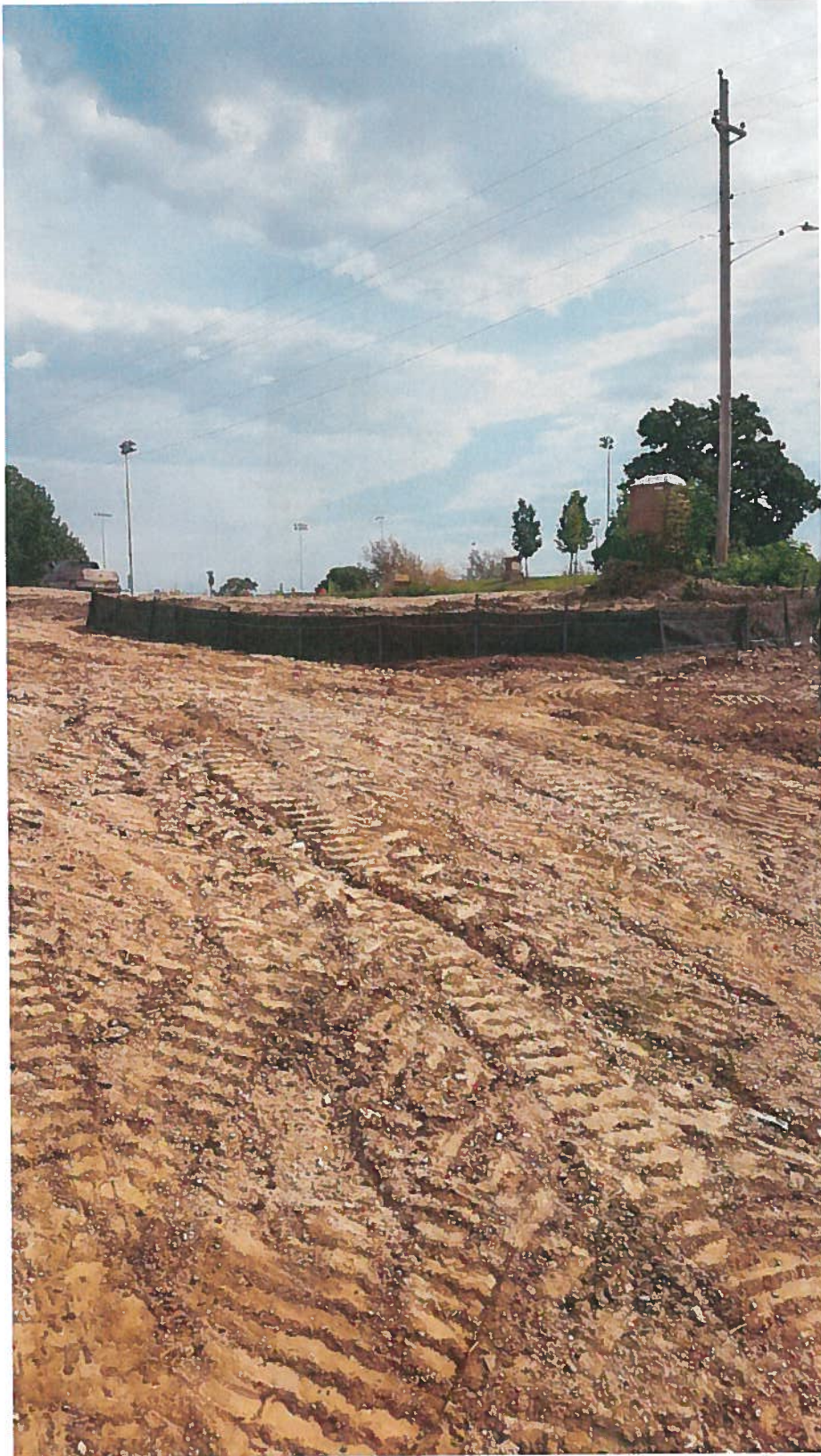
1200LF OF SILT FENCE INSTALLED ALONG MAIN DISCHARGE CHANNEL THIS WEEK. MORE FENCE TO FOLLOW WHEN THE FES OUTFALL HAS BEEN FULLY INSTALLED AND BACKFILLED.



FIG. 1. Erosion Control Inspection Report









Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
8/12/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES	NO	COMPLIANCE STATEMENTS
<input checked="" type="checkbox"/>	<input type="checkbox"/>	A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sedimentation basins have been installed correctly and constructed according to the plans.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable).
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Material storage and fueling areas are free of spills or leaks
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Appropriate measures have been taken to control dust
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Storm water discharge points are free of any noticeable pollutant discharge

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

8/12/2016 Weekly

DATE

Suggest installing 3" clean if to be used as construction entrance







Controls needed around sewer instillation







Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
7/8/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBAN DALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBAN DALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

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4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

7/8/2016 Weekly

DATE

Trackout present today. Suggest all construction entrances be rocked.



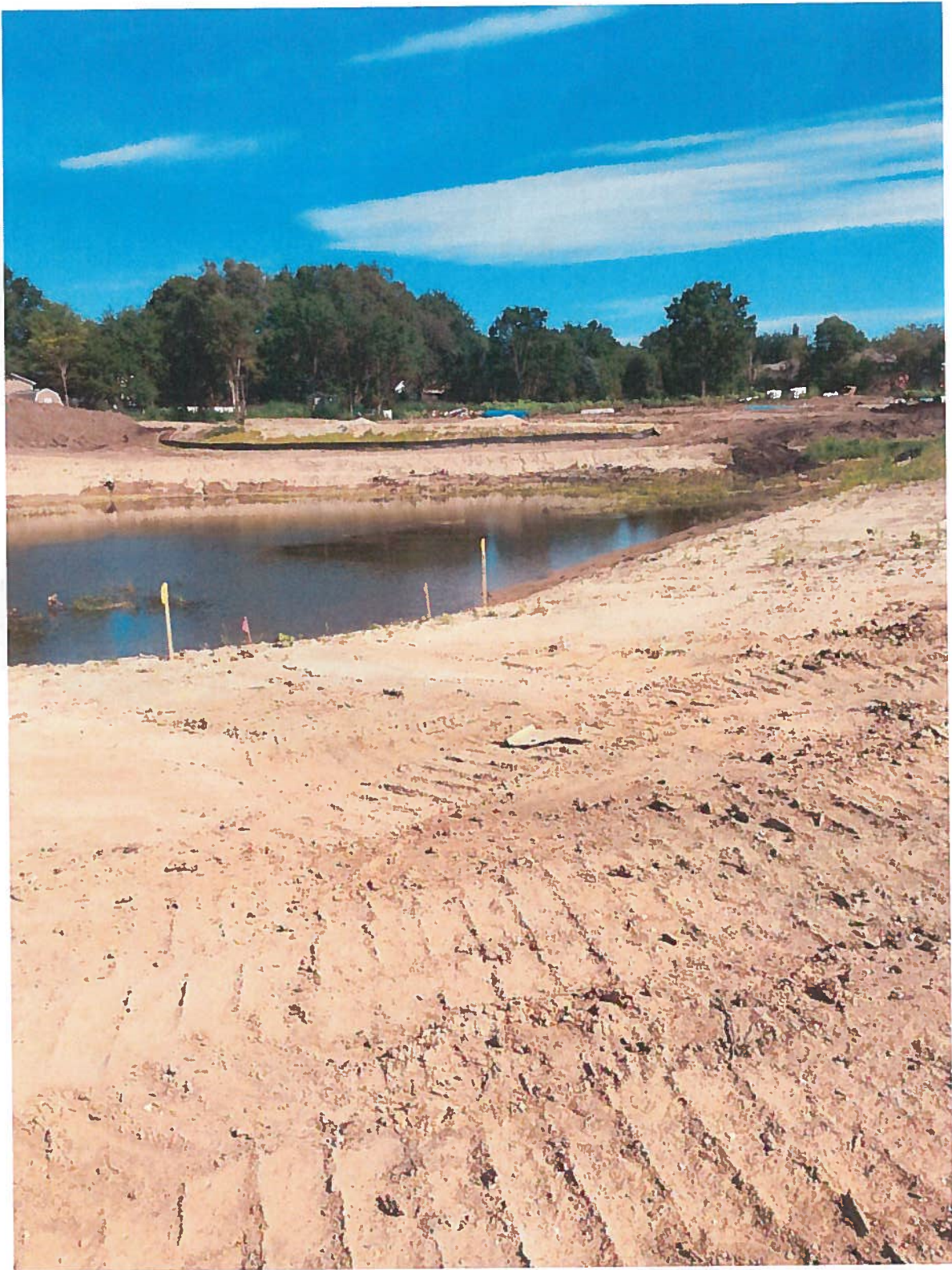
Main discharge channel















Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
8/19/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

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General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

75%	% Grading Overall	0%	% Paving
75%	% Sanitary Sewer	0%	% Seeding / Landscaping
75%	% Storm Sewer	25%	% Water
0%	% Other	90%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
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| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

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3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

8/19/2016 Weekly

DATE





Stabalization needed around FES



Full fence but secondary fence in good shape



Full fence –maintenance needed

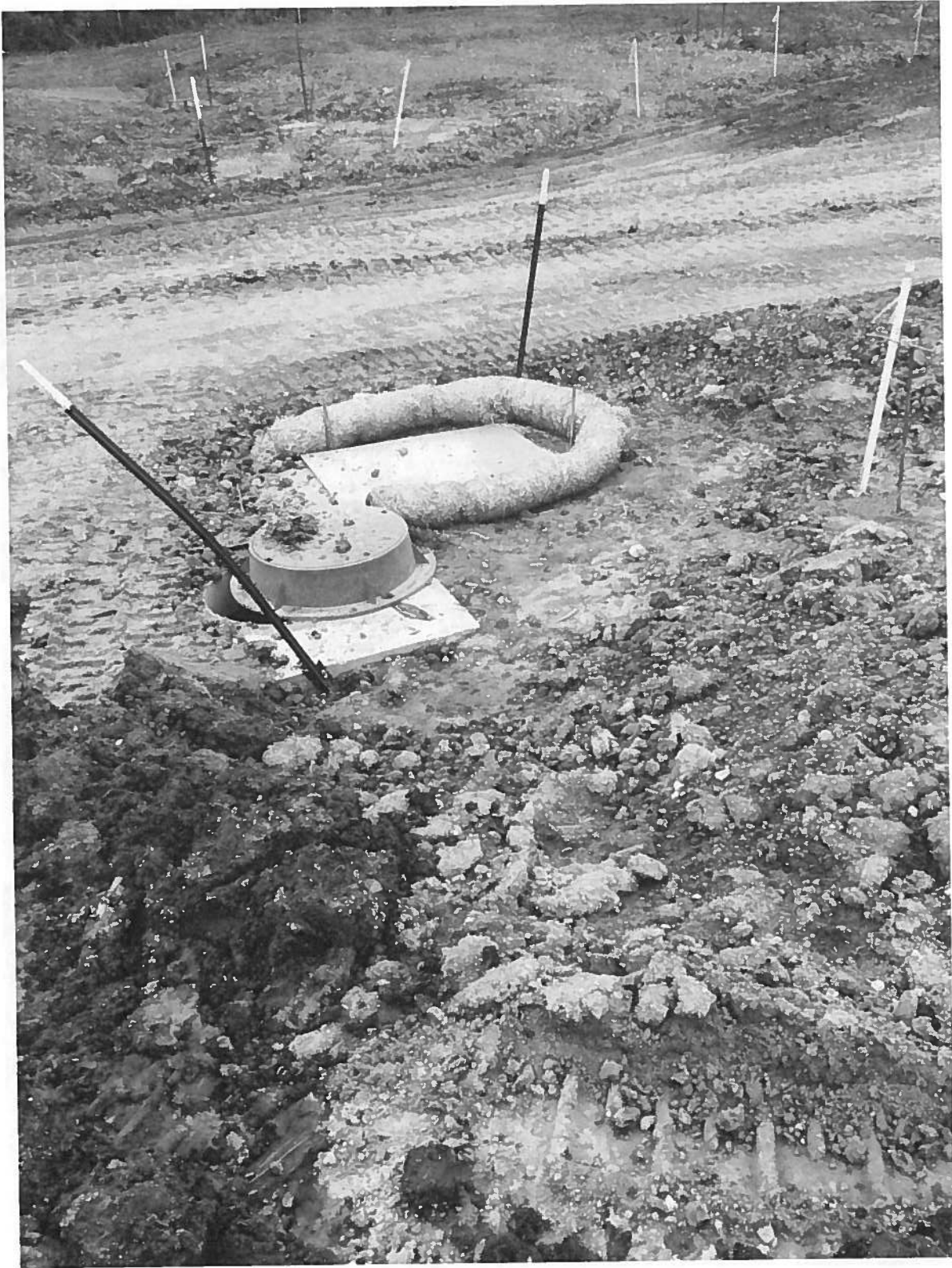


Topsoil respread taking place





Intake with board and sock



New rock on entrance

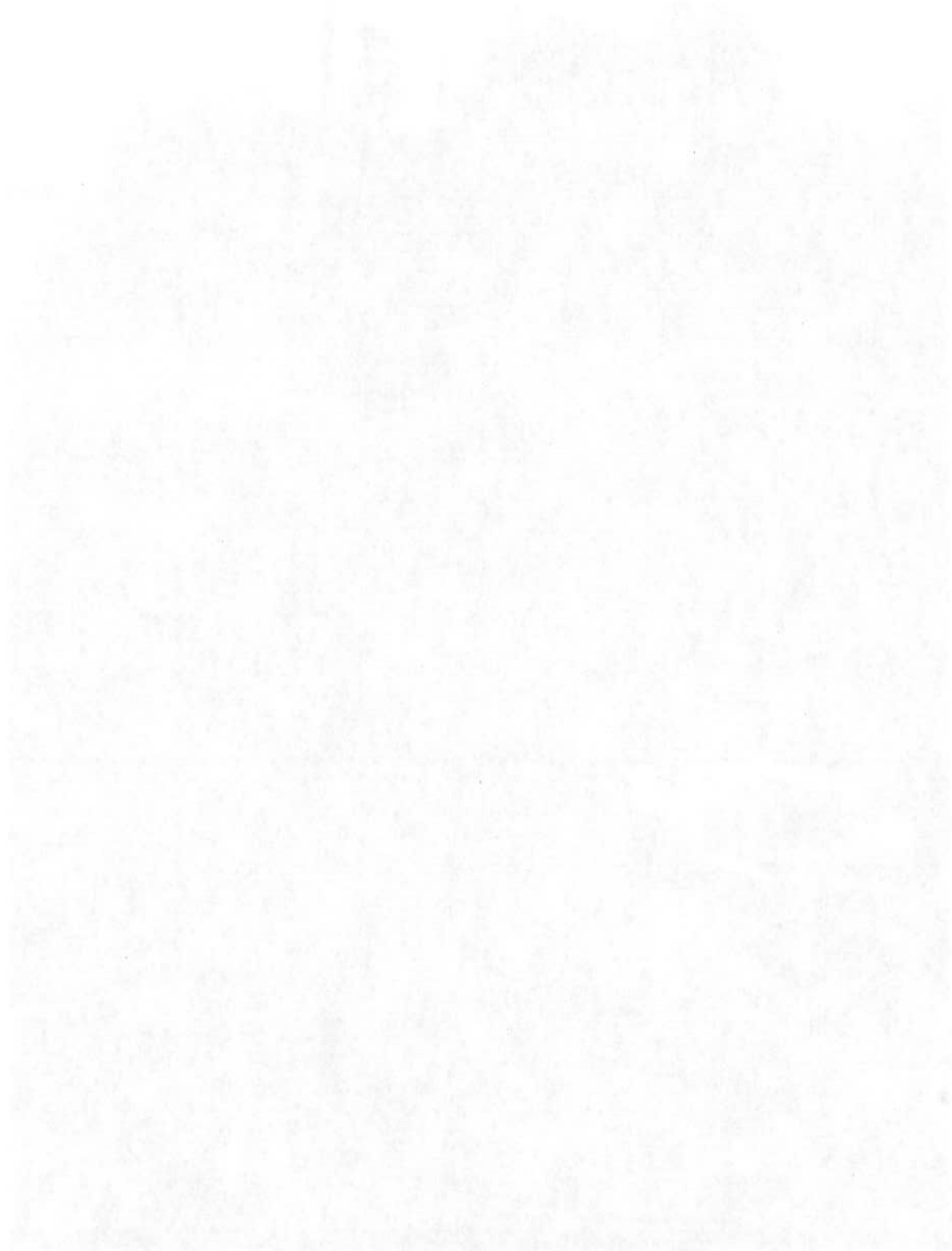


Washout



Area I take needs control





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
9/2/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

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URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
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| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

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4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

9/2/2016 Weekly

DATE

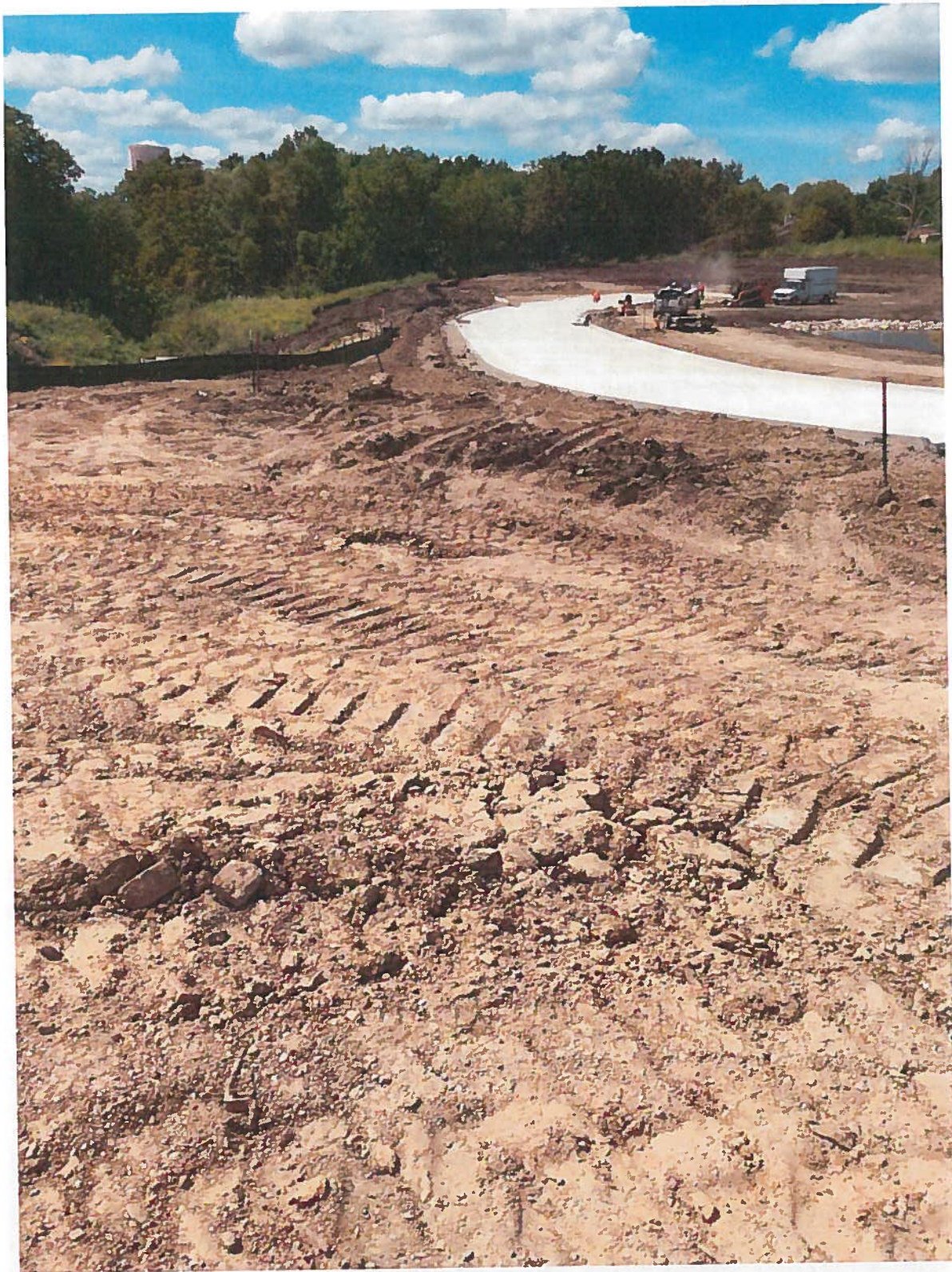


New sock installed this week



Streets have been poured





Washouts

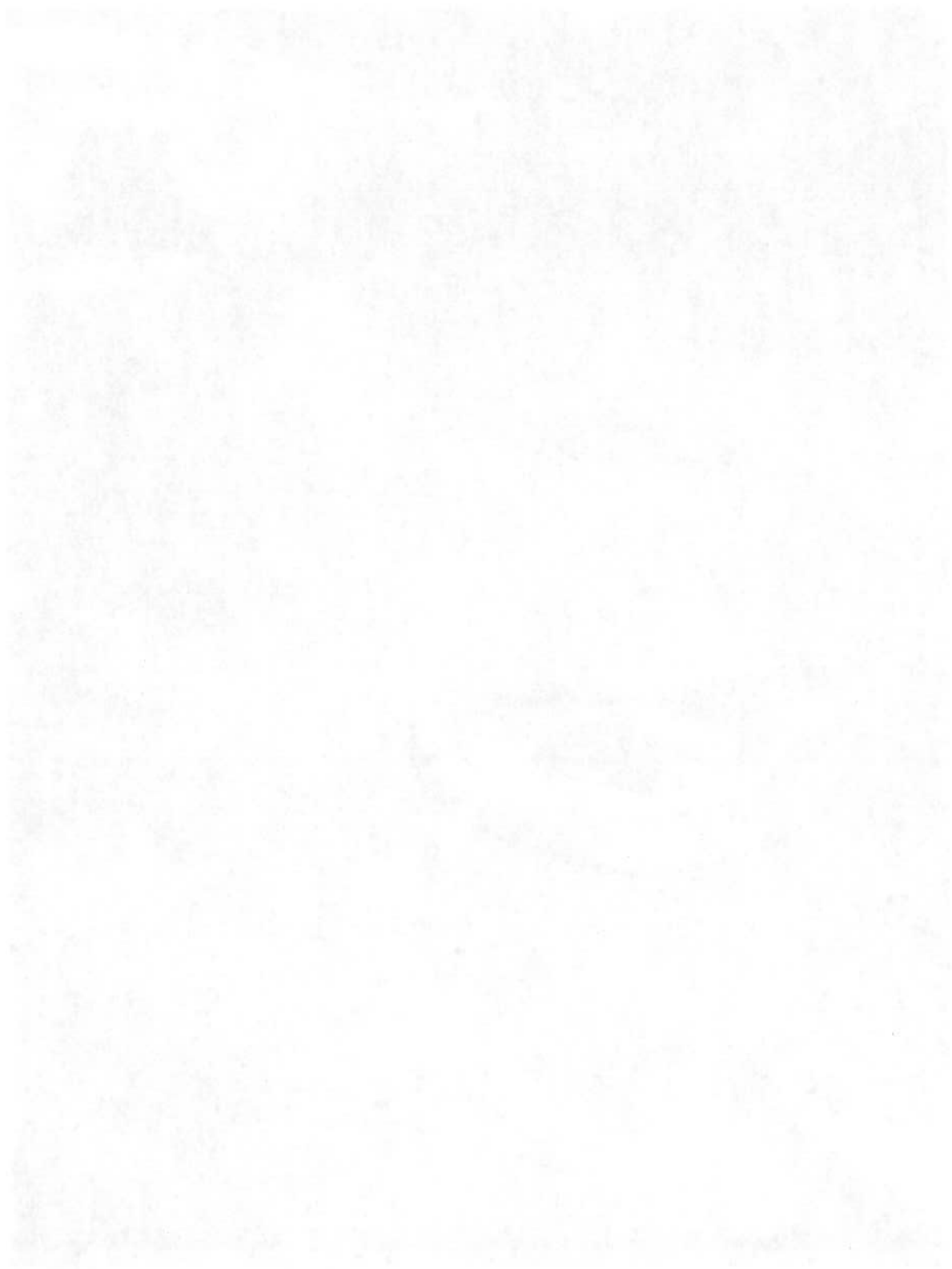


Const entrance



New sock around area intake





Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
9/16/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO**MAINTENANCE****MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

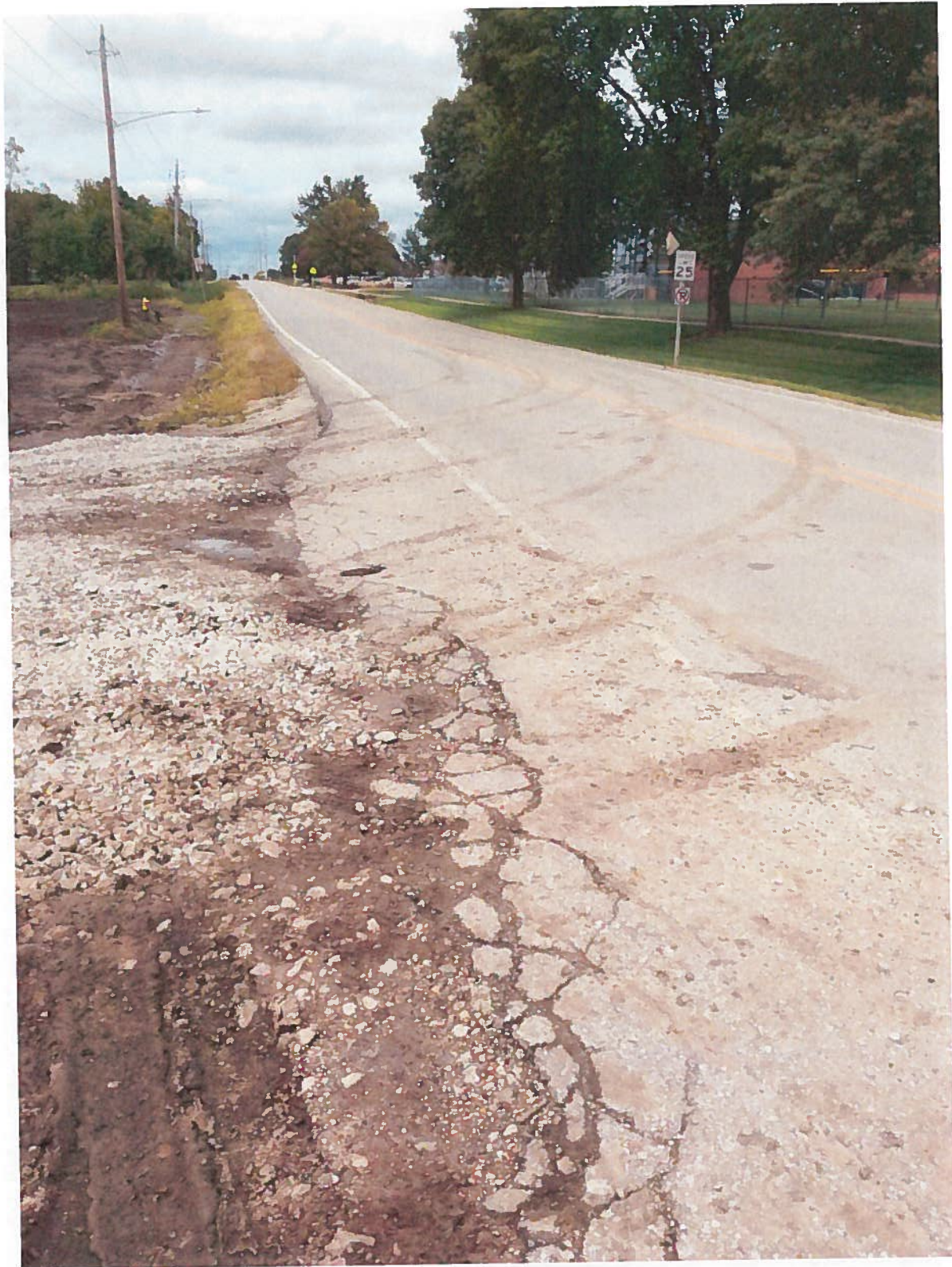
Michael Wahlert ICCSPPI

INSPECTOR

9/16/2016 Weekly

DATE





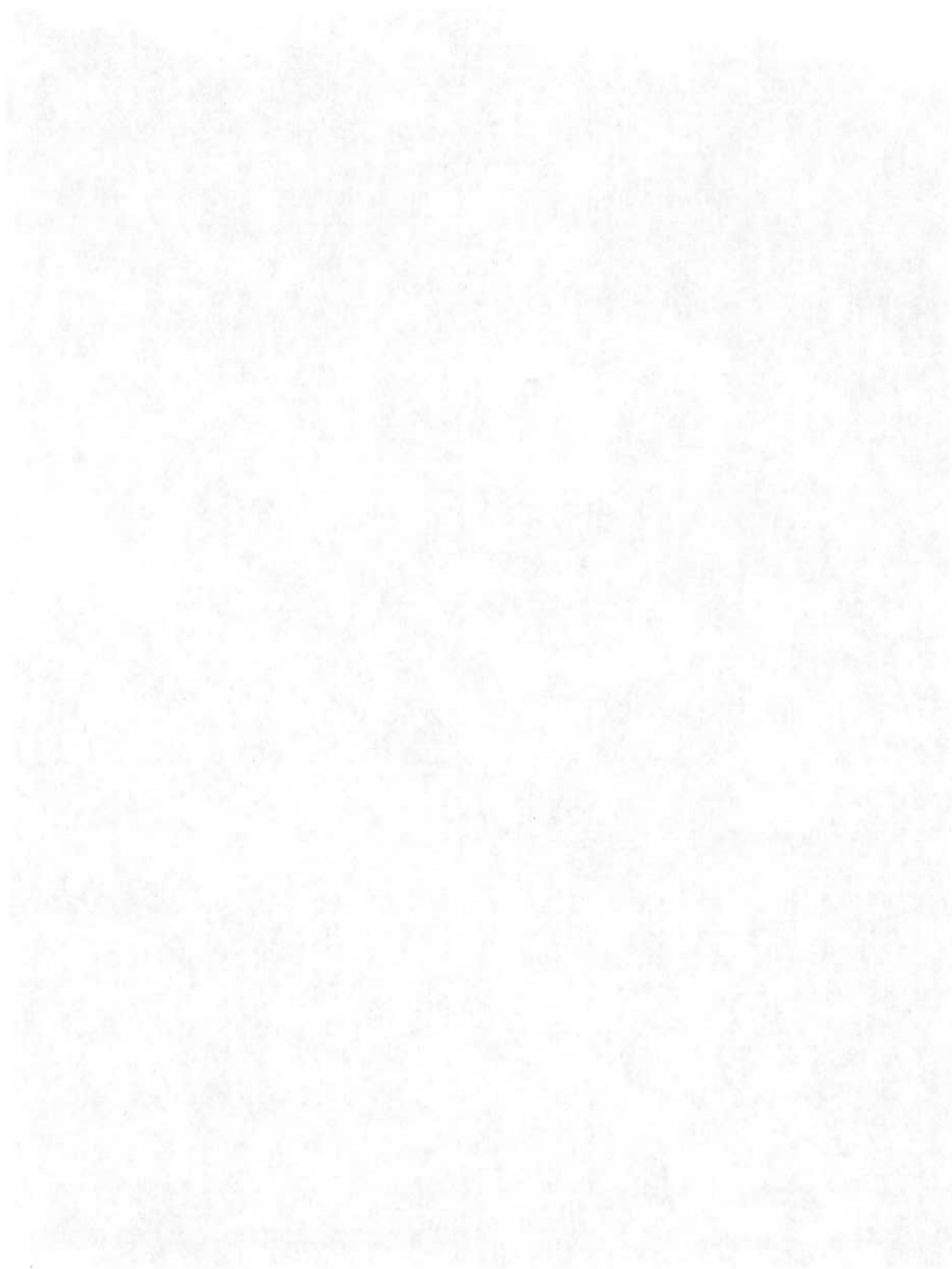












Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
9/30/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

10%	% Grading Overall	0%	% Paving
0%	% Sanitary Sewer	0%	% Seeding / Landscaping
0%	% Storm Sewer	0%	% Water
0%	% Other	80%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: south bank of channel needs controls reinstalled after topsoil re spread.
2	Note Item: streets poured and backfill completed. Suggest seed and mulch.
3	Note Item: .
4	Note Item:
5	Note Item:

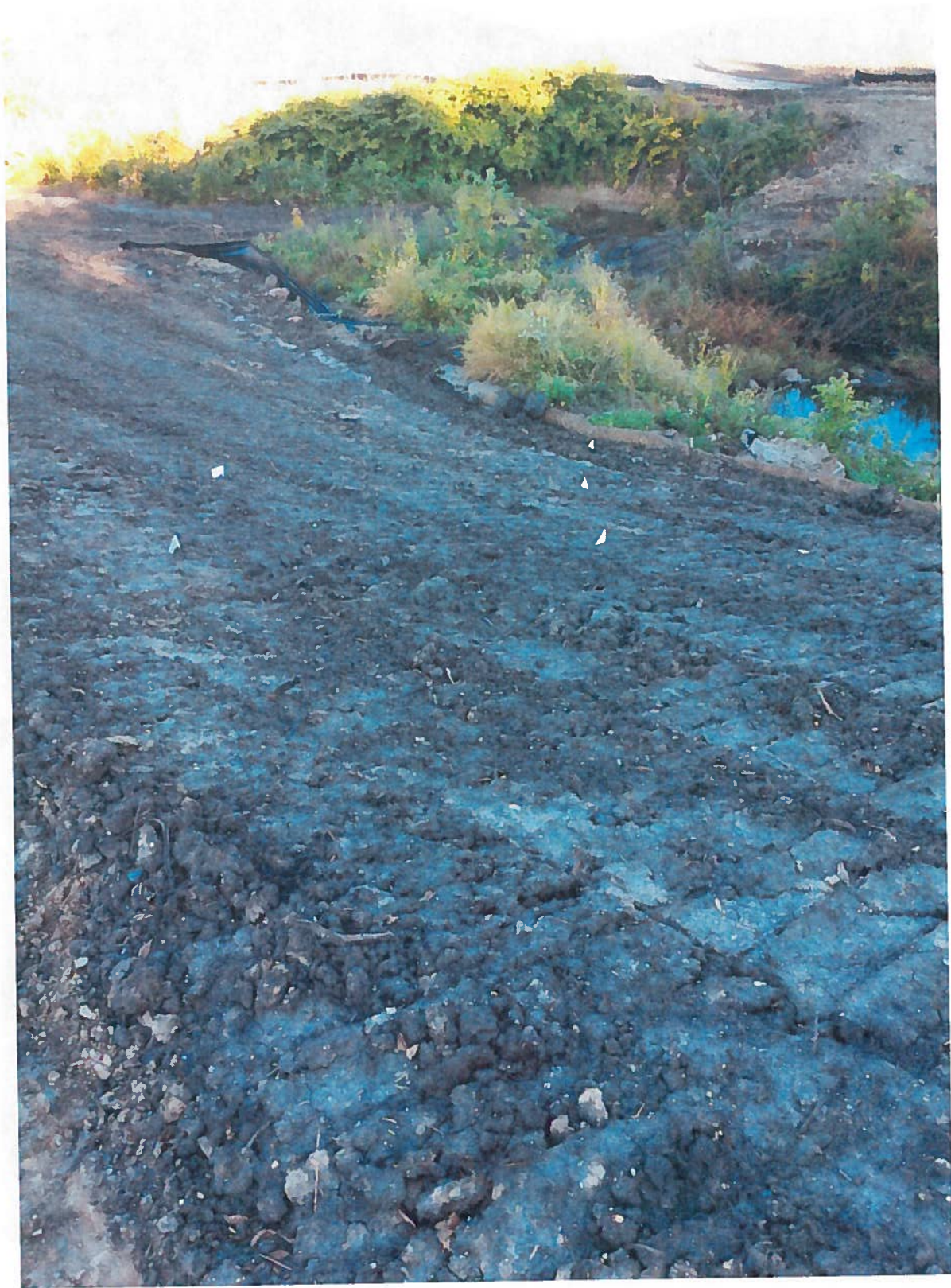
Michael Wahlert ICCSPPI

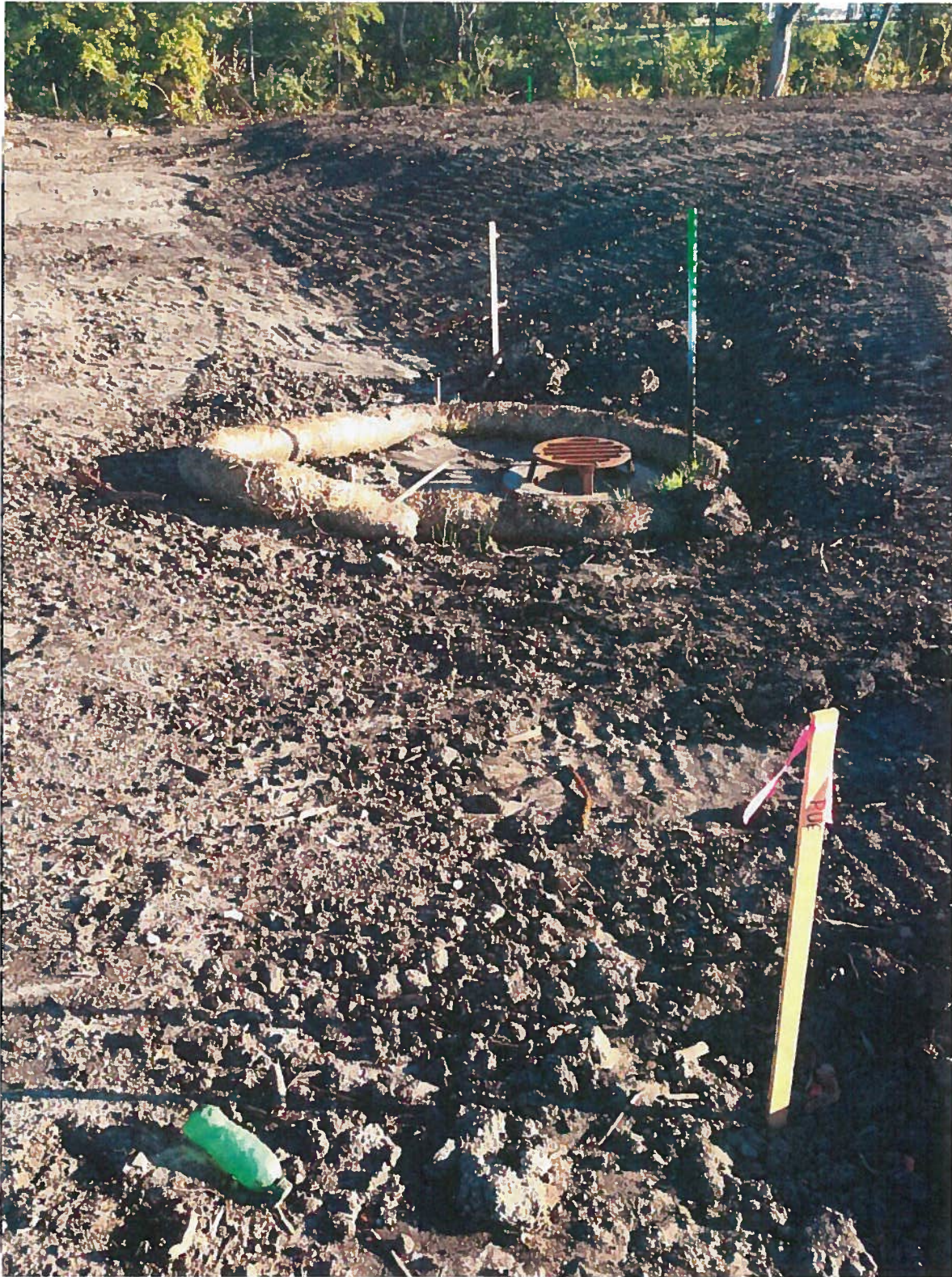
INSPECTOR

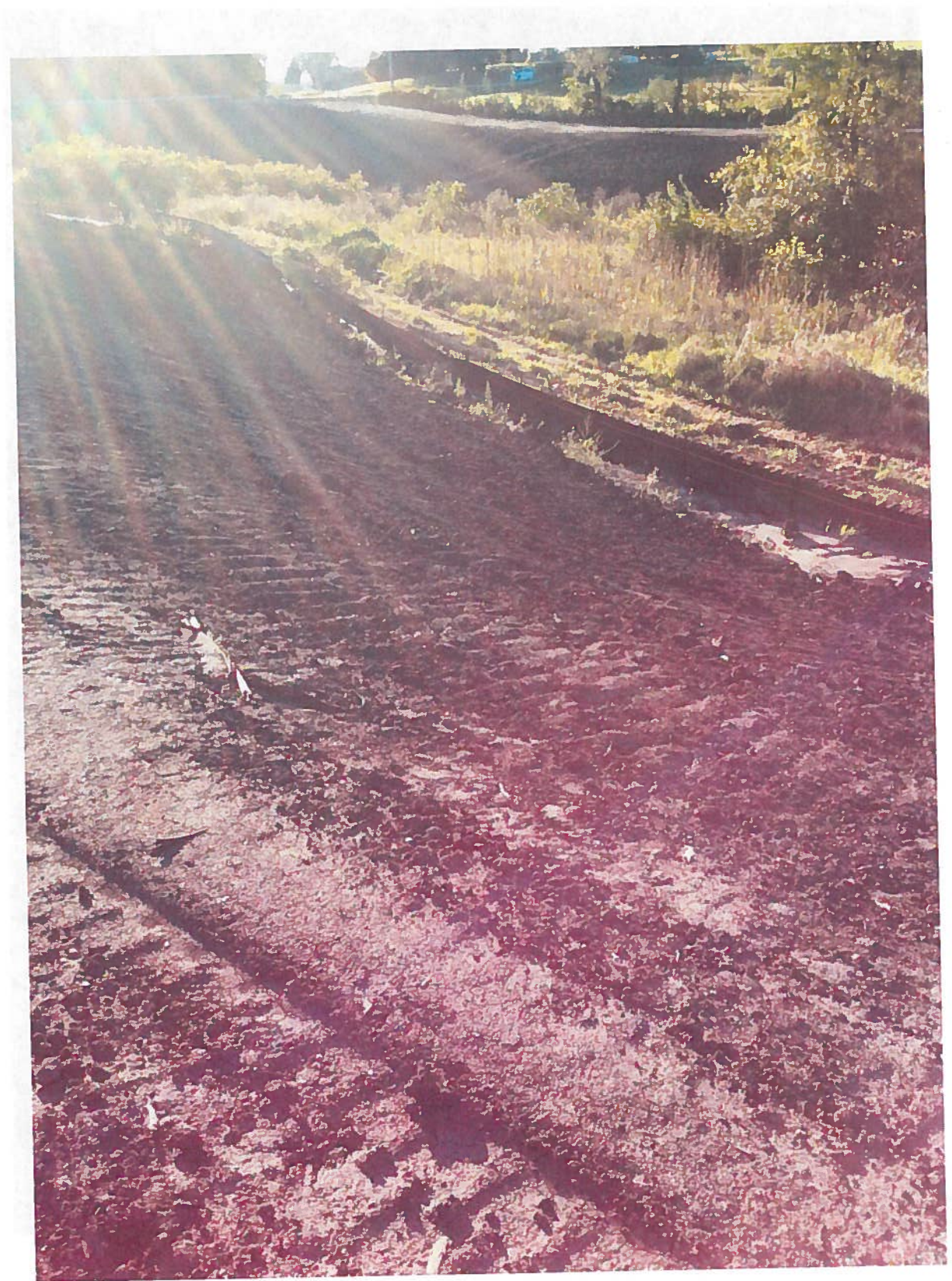
9/30/2016 Weekly

DATE









Erosion Control Inspection Report

BRANDONS RESERVE

Inspection Date
10/7/2016 Weekly

This report fulfills the requirement of the Iowa Department of Natural Resources authorization to discharge storm water under the State of Iowa National Pollutant Discharge Elimination System (NPDES). This report shall be completed at least once per week.

IDNR Permit # 28073 - 27824 coverage provided through 11-25-2018

Site Location – 1010 Warrior Ln., Waukee, IA. (Dallas County)

Owner / Agent – M AND R HOLDINGS, ILC – 515-306-8090
15602 WILDEN DR.
URBANDALE, IOWA 50323

Site Engineer – BISHOP ENGINEERING – 515-276-0467
3501 104TH STREET
URBANDALE, IOWA 50322

General Contractor – TBD

Erosion control inspector – Bishop Environmental Inspections, Michael Wahlert, 3501 104th Street, Urbandale, Iowa 50322, (515) 276-0467 email: mwahlert@bishopengr.com

WORK COMPLETED

What percentage of work has been complete in each of the following areas?

90%	% Grading Overall	100%	% Paving
100%	% Sanitary Sewer	0%	% Seeding / Landscaping
100%	% Storm Sewer	100%	% Water
0%	% Other	100%	% Demolition

EROSION CONTROL PLAN COMPLIANCE

Please read each Compliance Statement below carefully. If the site being inspected can meet the conditions of the compliance statements mark yes and if not mark no.

YES NO

COMPLIANCE STATEMENTS

- | | | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | A stabilized construction entrance has been installed correctly and constructed according to the grading plans and the public roads are free from sediment and mud. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All silt fence has been installed correctly and constructed according to the plans and inlet protection silt fence installed (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation basins have been installed correctly and constructed according to the plans. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All sedimentation and erosion measures have been installed correctly and constructed according to the plans (where applicable). |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Material storage and fueling areas are free of spills or leaks |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate measures have been taken to control dust |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Storm water discharge points are free of any noticeable pollutant discharge |

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

YES NO

MAINTENANCE

MEASURE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: south bank of channel needs controls reinstalled after topsoil re spread.
2	Note Item: streets poured and backfill completed. Suggest seed and mulch.
3	Note Item: Pond bank needs RECP installed.
4	Note Item: below grade intake baskets under 50% full.
5	Note Item:

Michael Wahlert *ICCSPPI*

INSPECTOR

10/7/2016 Weekly

DATE





Fence needs repair

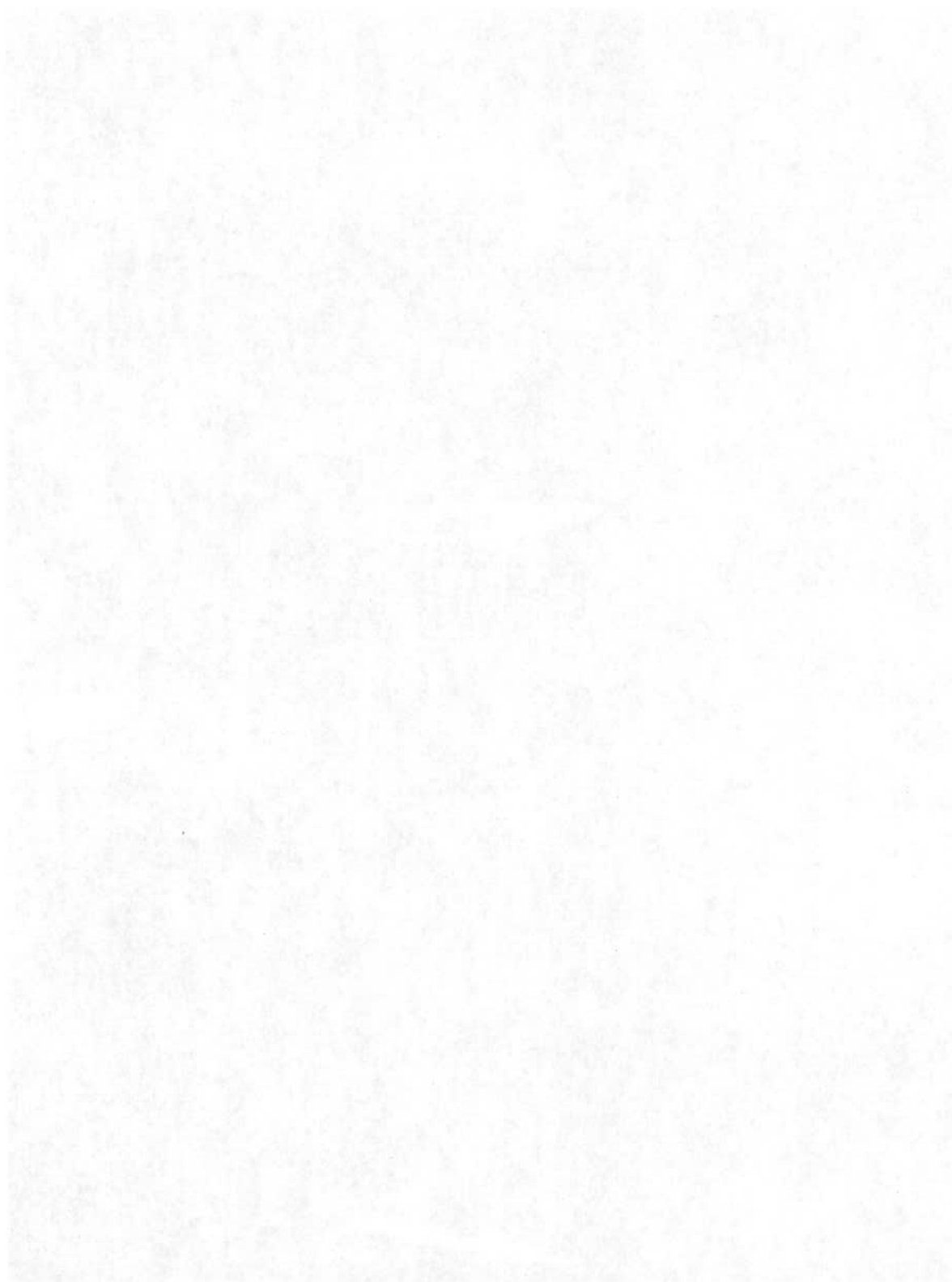












MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: Controls need to be place per the SWPPP sheets. There are no controls, no construction entrance.
2	Note Item: Clearing currently taking place, trees are being mulched on site. We suggest spreading the mulch to stabilize areas around the creek on the south extent and the along warrior lane drainage channel.
3	Note Item:
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

1/29/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: No controls exist on site. We suggest all controls be installed according to SWPPP as soon as feasible
2	Note Item: snow has stabilized the site with the material under frozen.
3	Note Item:
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI
INSPECTOR

2/5/2016 Weekly
DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: No controls exist on site. We suggest all controls be installed according to SWPPP as soon as feasible
2	Note Item: snow has stabilized the site with the material under frozen.
3	Note Item: No new work again this week. Site remains stabilized due to snow cover.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

2/12/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: No controls exist on site. We suggest all controls be installed according to SWPPP as soon as feasible
2	Note Item: snow melt has occurred. Most material still experiencing frost.
3	Note Item: No new work this week.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

2/18/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: No controls exist on site. We suggest all controls be installed according to SWPPP as soon as feasible
2	Note Item: snow melt has occurred. Most material still experiencing frost.
3	Note Item: No new work this week.
4	Note Item: Erosion contractor stated that both sides of main discharge channel will have filter socks installed as soon as the site will accommodate heavy machinery.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

2/26/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: We suggest all controls be installed according to SWPPP as soon as feasible. Also suggest dumpster be located on site, refuse piled up in-contained on site.
2	Note Item:
3	Note Item: No new work this week.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

3/4/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: We suggest all controls be installed according to SWPPP as soon as feasible. Also suggest dumpster be located on site, refuse piled up in-contained on site.
2	Note Item:
3	Note Item: wood chipping continues today.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

3/11/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: dumpster added, however refuse still exists on site un-contained. Some new equipment on site today.
3	Note Item: rocked construction entrance needs to be installed along with other controls defined by the SWPPP. Only controls are the ones that exist along main discharge channel banks on either side.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI
INSPECTOR

3/18/2016 Weekly
DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

**MAINTENANCE
MEASURE**

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

**MAINTENANCE
MEASURE**

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: Some more clearing has taken place in the last week.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

3/25/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: A temporary crossing has been constructed across the main channel on the south side of the development. This crossing is not represented on the construction or SWPPP plans and does not appear to be an accepted standard construction crossing. Contractor should be aware that proper permitting is required for such crossings.
2	Note Item: Tree stumps are being removed and grading continues.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. Trackout noticed today as no new rock has been installed for a construction entrance.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/1/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: No activity today.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/6/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: export of mulch being conducted today. South limit has been cleared.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls.
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/16/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: South limit has been cleared. Boulders and erosion stone have been stockpiled.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

4/22/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: South limit has been cleared. Boulders and erosion stone have been stockpiled.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and 1/3 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI
INSPECTOR

²⁹
4/22/2016 Weekly
DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues today.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and 1/3 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert *ICCSPPI*

INSPECTOR

5/18/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading has begun today.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and 1/3 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

5/6/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues today.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and 1/3 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

5/13/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: rocked construction entrance has been added in one location. The only controls that exist are around the discharge channel, and the east ½ need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed. Per city of Waukee, the causeway over the channel needs to be removed.
5	Note Item:

Michael Wahlert ICCSPPI
INSPECTOR

5/27/2016 Weekly
DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: rocked construction entrance needs to be installed along with other SWPPP controls. The only controls that exist are around the discharge channel, and the east 1/2 need to be repaired or replaced.
4	Note Item: controls along both sides of discharge channel need repair. Rip rap check/causeway in flow line of channel improperly installed. Per city of Waukegan, the causeway over the channel needs to be removed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

6/10/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

6/17/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI
INSPECTOR

6/23/2016 Weekly
DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

7/8/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

7/22/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

7/14/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

7/29/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

8/5/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

8/12/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

8/19/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES	NO	MAINTENANCE MEASURE	YES	NO	MAINTENANCE MEASURE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stabilized Construction Entrance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silt Fence
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Temporary or Permanent Seeding	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Erosion Controls
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dust Suppression	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inlet Protection
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basin outlets and Risers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sedimentation Basins
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Street/ Parking Cleaning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Concrete Washout

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

9/2/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM:
2	Note Item: grading continues, and some sewer structures have been installed.
3	Note Item: New controls added around stockpiles and in swales. New controls added around both sides of main discharge channel.
4	Note Item: Rocked Construction entrance installed.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

9/16/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: south bank of channel needs controls reinstalled after topsoil re spread.
2	Note Item: streets poured and backfill completed. Suggest seed and mulch.
3	Note Item:
4	Note Item:
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

9/30/2016 Weekly

DATE

MAINTENANCE

Mark yes for all erosion control items that need maintenance on the site and no for the ones that do not.

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Stabilized Construction Entrance |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Temporary or Permanent Seeding |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Dust Suppression |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basin outlets and Risers |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Street/ Parking Cleaning |

YES NO

MAINTENANCE

MEASURE

- | | | |
|--------------------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Silt Fence |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Erosion Controls |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Inlet Protection |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Sedimentation Basins |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Concrete Washout |

COMMENTS

The following specific items need to be corrected or maintained. Any items marked "yes" above in the maintenance section need an explanation here. Refer to the attached "Site Plan" for locations of the indicated items.

1	ACTION ITEM: south bank of channel needs controls reinstalled after topsoil re spread.
2	Note Item: streets poured and backfill completed. Suggest seed and mulch.
3	Note Item: Pond bank needs RECP installed.
4	Note Item: below grade intake baskets under 50% full.
5	Note Item:

Michael Wahlert ICCSPPI

INSPECTOR

10/7/2016 Weekly

DATE

Brandon's Reserve

CONTRACTOR'S CERTIFICATION STATEMENT


All contractors and subcontractors shall sign a copy of the following certification statement:

Contractor/Subcontractor: Bishop Environmental Inspection

Address: 3501 104th Street
Urbandale, IA 50322-3825

Phone Number: 515-276-0467

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. Further, by my signature I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No. 2 for "Storm Water Discharge Associated with Industrial Activities" at the identified site. As a co-permittee, I understand that I and my company are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit."

Signature: 

Name (printed): David Ruse

Title: VP

Date: 1/26/16

CONTRACTOR'S CERTIFICATION STATEMENT

All contractors and subcontractors shall sign a copy of the following certification statement:

Contractor/Subcontractor: Monarch Foundation Systems Inc.

Address: 3700 S.E. Beisser Dr, Ste A
Grimes, IA 50111

Phone Number: 515-986-5566

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. Further, by my signature I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of natural Resources NPDES General Permit No. 2 for "Storm Water Discharge Associated with Industrial Activities" at the identified site. As a co-permittee, I understand that I and my company are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit."

Signature: 

Name (printed): Dean Sweeney

Title: Superintendent

Date: 1-27-16

CONTRACTOR'S CERTIFICATION STATEMENT

All contractors and subcontractors shall sign a copy of the following certification statement:

Contractor/Subcontractor: Alliance Construction Group

Address: 3000 SE Grimes Blvd. Suite 800
Grimes, IA 50111

Phone Number: 515-225-6677

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. Further, by my signature I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No. 2 for "Storm Water Discharge Associated with Industrial Activities" at the identified site. As a co-permittee, I understand that I and my company are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit."

Signature

Name (printed):

Title:

Date:



Jason Debraff

Owner/Manager

6/30/16

CONTRACTOR'S CERTIFICATION STATEMENT

All contractors and subcontractors shall sign a copy of the following certification statement:

Contractor/Subcontractor: Sandstone Management

Address: 15 School Street Carlisle, IA 50047

Phone Number: 515-989-0557

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. Further, by my signature I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of natural Resources NPDES General Permit No. 2 for "Storm Water Discharge Associated with Industrial Activities" at the identified site. As a co-permittee, I understand that I and my company are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit."

Signature: 

Name (printed): David Graber

Title: Project Manager

Date: 9-26-16

Brandon's Reserve

CONTRACTOR'S CERTIFICATION STATEMENT

All contractors and subcontractors shall sign a copy of the following certification statement:

Contractor/Subcontractor: Environmental Consultants

Address: 3501 104TH ST. Urbandale, IA.
50822

Phone Number: 515-490-7344

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. Further, by my signature I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of natural Resources NPDES General Permit No. 2 for "Storm Water Discharge Associated with Industrial Activities" at the identified site. As a co-permittee, I understand that I and my company are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit."

Signature: David Hyler

Name (printed): David Hyler

Title: Vice President

Date: 1-26-16

CONTRACTOR'S CERTIFICATION STATEMENT

All contractors and subcontractors shall sign a copy of the following certification statement:

Contractor/Subcontractor: M + R Holdings, L.L.C.

Address: 15602 Wilden Drive
Urbandale, Iowa 50323

Phone Number: 515-306-8090

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. Further, by my signature I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No. 2 for "Storm Water Discharge Associated with Industrial Activities" at the identified site. As a co-permittee, I understand that I and my company are legally

Signature: M + R Holdings, LLC. by Jody Walters
name (printed) Jody Walters
Title: owner
Date: 1-27-2016

David Walters, Member/Manager

NPDES ADDENDUM TO PURCHASE AGREEMENT

Buyer and any successor-in-interest (hereafter "Buyer") is hereby notified that there exists, for Brandon's Reserve (the "Development") (which includes the Property), an NPDES Storm Water Discharge Permit No. 2 (the "General Permit") and a storm water pollution prevention plan ("SWPPP"). Buyer understands that a copy of the General Permit and the SWPPP for the Development is located at _____.

Buyer has purchased Lot 14 Brandon's Reserve (hereafter the "Property"). Buyer understands and agrees that, from and after the Closing Date, Buyer shall become the sole responsible permittee for the Property and for compliance with all terms, provisions and requirements of the General Permit, the SWPPP and any and all applicable storm water and/or erosion control statutes, rules and ordinances.

Additionally, Buyer shall undertake all activities necessary to comply with any and all applicable storm water and/or erosion control statutes, rules and ordinances. Buyer shall, under all circumstances, prevent the loss, transfer or migration of any soil, silt, sediment, petroleum product, hazardous substance or solid waste from or beyond the boundaries of the Property purchased by Buyer. At all times, Buyer shall have sole operational control of storm water discharges associated with the Property.

Buyer shall protect, defend, indemnify and hold Seller harmless from any and all damages, claims, liabilities, fines, penalties, cleanup costs and/or attorneys and consultant fees caused by, or in any manner related to: 1) any discharges from the Property identified above; and/or 2) any alleged violation of any NPDES, storm water and/or erosion control statute, rule or ordinance, after the date of sale of the Property to Buyer. Buyer shall release, waive and otherwise discharge any and all claims that Buyer may assert against Seller relating, in any manner, to any discharges from the Property and/or any alleged violation of any NPDES, storm water and/or erosion control statute, rule or ordinance. The covenants and provisions of this Addendum shall survive the Closing Date. Further, Buyer's obligations shall not be discharged by sale of the Property without written consent of the Seller.

BUYER(S):

Name: Adam C. Wright

08/25/16
Date

Name: Sabrina Wright

08/25/16
Date

SELLER:

M & R HOLDINGS, LLC
an Iowa limited liability company

By: David Walters, Member/Manager

9-7-16
Date

Green, Pete

From: David Bentz <dbbentz@bishopengr.com>
Sent: Thursday, October 27, 2016 12:22 PM
To: Green, Pete
Cc: Dave Hyler; Michael Wahlert
Subject: Brandon's Reserve
Attachments: Brandons Reserve SWPPP Inspection 4-16-2016.pdf; Brandons Reserve SWPPP Inspection 5-13-2016.pdf

Pete,

I just got your letter stating the Permit Violations for Brandon's Reserve on the 16th day of October, 2016 from Dave Walters. Walter's is the owner of Brandon's reserve. Dave told me that you want a response to how the items have been addressed. Below is my response.

#1A – The original plan was for the contractor to provide a construction entrance off of Warrior Ln. for the ground south of the drainage ditch. The tree clearing contractor and grading contractor opted to use temporary crossing. The crossing has been removed. This area has new erosion controls installed since and is seeded.

#1B - New controls have been installed. Area is getting additional landscaping of large boulders. Seed will begin as soon as they are done.

#1C –The sanitary crossing and steep banks have been hydro-mulch seeded.

#2A – I will question the inspector and contractor as to why it was not installed and get back to you.

#2B – Action items have different pictures with comment attached to pictures. This shows that new inspection site visit were performed. However, the action item comments were not updated because items were not addressed. I will review items and explain if possible why they were not addressed in a timely manner.

#2C – Not sure why you didn't get these two inspections but I see they were not in the folder created for you (see attached inspections). Please note inspections have been done every week since BEI was hired to do inspections. If you are missing a week then for some reason it is a file share problem on our part and not a failure to do weekly inspections. As for the greater than 7 day gaps between some inspections you will notice we had short gaps between the prior reports. We have a set day for inspections so if we had an issue with a known city quarterly inspection that we had to attend or a vacation day we did that week's inspection early and then got back on schedule the following week. We understand that 7 days is the max and this will not happen again.

I can tell you additional silt fence and socks have been installed, the dirt from the pond has been spread around the lots adjacent to the pond, Mid Am will finish trenching in electric this week, and seeding should all be done by next Monday.

I will be on vacation starting this afternoon and gone all next week. however Mike will be available if you have any questions. Thanks.

Sincerely

David B. Bentz, P.E. | Bishop Engineering Company, Inc.
 3501 104th Street | Des Moines, Iowa 50322
 O: 515-276-0467 | M: 515-473-0499

Upon Acceptance of this drawing or other data or any electronic media generated and provided by Bishop Engineering Company, Inc., the recipient covenants and agrees that all such drawings and data are instruments of service and belong to Bishop Engineering Company Inc. These files are transmitted without warranty as to